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N M'FG CO ESBORO COUNTY, PA

ST. LOUIS, THURSDAY, AUGUST 9, 1883.

No. 32 Vol. XXXVIII.

Sorgo Department.

Our Future Sugar. BY PROF. W. O. AYERS.

"Some sugar, Mr. Dana, if you please." It was the elder Prof. Silliman who spoke; the present distinguished professor of geology and mineralogy in Yale was the one addressed, and there was I, a virescent sophomore, where I had no business to be, having smuggled myself in to hear (to my great delight) a lecture on chemistry. The sugar was brought, it was dropped on the glowing plate of iron. "It use the sugar only as a combustible; it at once takes fire, as you see." That was the greater part of half a hundred years ago; it is astonishing how every now and then small events remain fixed in the memory; I can hear the tone and the accent at this moment; I can see the iron plate, and the order fact has from that day to this been a settled thing in my mind that sugar is a combustible. That term conveys to us in general language the idea of something to be burned, and the question naturally arises, How is it that we make out to burn up every year so many millions of pounds of sugar as are imported into this country in addition to the great amounts made within our own limits. Here comes in a point of practical physiology; the relation which food bears to combustion. In this lies the whole bearing of the importance of sugar, the necessity for its use, and the resulting extent to which that use prevails. Our bodies are solid; they have bulk and weight, that is to say they are composed of tissues. These tissues are in constant process of change, and to supply the materials for such charge is one reason why we take food. But fully as important as that our bodies have bulk and weight, is the other fact that they "Some sugar, Mr. Dana, if you please." supply the materials for such charge is one reason why we take food. But fully as important as that our bodies have bulk and weight, is the other fact that they have a certain degree of heat which is absolutely essential to their existence. To afford the materials for this heat is the second reason why we take food. But the food which performs one of these duties does not attend to the other. The builders are not the heaters, and so we never take our food in simple and single elements. It is always of mixed materials. Fatty oily substances are combustibles, and so are things which are sweet. That which is sweet, in a greater or less degree, is to the great majority of people pleasant in taste, and following this guide we sweeten the articles which we eat in an endless variety of ways.

The result is that sugar becomes one of the necessaries of life, and the realization of this is shown by the fact that, in

The result is that sugar becomes one of the necessaries of life, and the realization of this is shown by the fact that, in addition to the great amounts which we produce within our own limits, we annually import from foreign countries more than fifteen, hundred millions of pounds. Such a trade as this is of course a matter of great national importance. These importations show about \$70,-000,000 paid out from our resources for the benefit of producers in other lands. If now, in place of this immense drain of money we can retain it, to the advantage of our own agricultaral population, we certainly shall, by so doing, make a decided step forward in the line of strength and independence. Admitting that sugar is one of those things without which we cannot exist and prosper either as individuals or as a things without which we cannot exist and prosper either as individuals or as a people, if we can produce our own supply, we not only save and retain within our own control the money which the sugar represents, but we by the same act, render ourselves independent of supplies in a matter of vital import. Any event, or train of events, which should cut us off from access to our sources of foreign sugar supply, and such contingency is at sugar supply, and such contingency is at the least possible, would produce wide-spread suffering of no trifling degree. Can we render ourselves as a nation per-fectly free from such risk, perfectly selfsupplying? That is to say, can we stop the importation of sugar, absolutely, be-cause we have no need of importation, be-cause our domestic production of the ar-ticle satisfies the full need of the country? You may say that it is absurd to think of

ed in the jucies of many plants, prominent among which are different grasses commonly called canes. Grape sugar we set aside, for it is not an article of commerce except as a result of chemical action. Vast amounts of it are sold, having been formed artificially by the action of acids on starch. It is not, however, in the form of sugar, and is not classed as sugar. Most of it is classed under the name of glucose, a thick smooth syrup, though some of it is brought solid, and granulated.

though some of it is brought solid, and granulated.

It is well here to remark that an unreasonable prejudice exists in the minds of many, in respect to glucose, under the belief that it is injurious to health, and is in fact a poisonous article. This is entirely without toundation. Glucose is a harmless and wholesome article. It has, however, less sweetening power than cane sugar, (reckoned by some as three to five,) and of course therefore is that much deficient in saccharine properties. It is used largely in making candies, syrups, etc., and no injury can arise from such use.

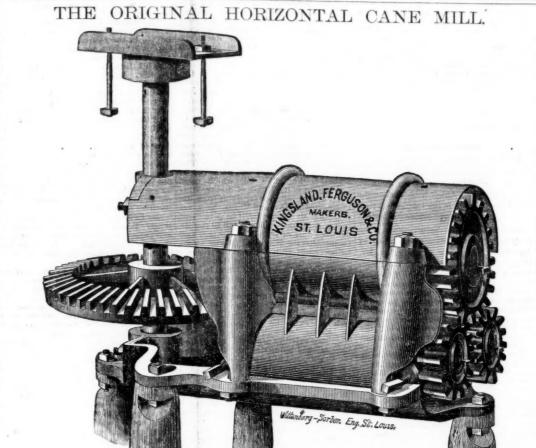
Disregarding, therefore, grape sugar,

such use.

Disregarding, therefore, grape sugar, we have three forms of cane sugar which are well known in this country, maple sugar, beet sugar, and sugar. Maple sugar is American, out and out, and not very many persons are fully aware how largely it is manufactured. Produced mainly in our northern and northeastern States, the annual yield is at least forty millions of pounds, but it is never sold except by its full name. Beet sugar we can scarcely claim. Various attempts have been made in this Beet sugar we can scarcely claim. Various aftempts have been made in this country to introduce the manufacture, but continercially they have not been successful. The reasons of the failure we cannot discuss at present; perhaps at another time we may consider them. But when we see sugar mentioned, when we buy suga, one thing only is practically intended; it is always the product of the sugar cane, and nothing else. This is what we are now to follow out, and to see if we cannot supplement it by adding that which we can extract from another cane, or from various other canes, thus enlarging our area of production, and increasing our limits of result to almost any extent which the demand may require.

Probably no one needs to be told that

Probably no one needs to be told that the sugar cane is a plant of hot climates. It is true that it is not strictly tropical in its growth; it is not absolutely confined to those countries where frost is unknown. If so, we should, in the United States, be practically excluded from its culture. A very small part of the peninsula of Florida, and the extreme border of Texas would make our limit, and that too small to make a supply worth counting. Whereas now it is safe to calculate that very nearly 200,000,000 pounds can ing. Whereas now it is safe to calculate that very nearly 200,000,000 pounds can be depended on as our internal product, and though this is small in comparison with the 1,500,000,000 which we import, still it is one of the sources of our national wealth of no mean account. All of this is of course produced in the Gulf States, and the greatbulk of it in truth comes from Louisiana. The sugar cane bears a certain amount of frost with impunity, but it requires such a long conbe depended on as our internal products, and though this is small in comparison of with the 1,500,000,000 which we import, still it is one of the sources of our many thin the 1,500,000,000 which we import, still it is one of the sources of our many thin the 1,500,000,000 which we import, still it is one of the sources of our many thin the 1,500,000,000 which we import, still it is one of the sources of our many thin the 1,500,000,000 which we import, still it is one of the source of our many the 1,500,000,000 which we import, still it is one of the source of sources of the 1,500,000,000,000 which we import, still it is one of the source of the 1,500,000,000,000 which we import so that the 1,500,000,000 which we import so the 1,500,000,000 which we import so that the 1,500,000,000 which we import so that the 1,500,000,000 which we import so the 1,500,000,000 which mon Indian corn being a lammar exam-ple. Years and years ago sirup was made from the juice of cornstalks and used by the families of farmers, but this led to no practical results. As long ago as the colonial times, several forms of



We take pleasure in calling attention to this, the Original Horizontal Cane Mill, which has been in use a number of years, and to which such improvements as are necessary have been added from time to time, until now it is the most perfect Machine in the market. Experience in the use of Cane Mills teaches that the Horizontal plan of construction is far superior to the upright. With this plan the manufacturers are enabled to use geaving on the rollers in such a shape as to make them revolve three times as fast as the horse walks, thus increasing the quantity of the work very materially. In feeding, the tendency of the Upright Mills is for the cane to crowd down, and often a bunch at the bottom is crushed, and the upper stalks go through without having had half the juice extracted. A glance at the cut will satisfy any one that this cannot be the case with this Mill; it is all crushed alike and as dry as you wish it. The shield on the field side protects the gearing, and the division bar causes a regular and even feed, and prevents liability of breakage from the stalks crowding down on the side of the rollers by solid plates; hence the oil cannot get mixed with the juice. This Mill is simple and durable; the very best and cheapest in the market, considering its good qualities. There are four sizes made.

Write for Descriptive Circular to

**Will those of Cane Mills teaches that the Horizontal now it is the most perfect of construction is far in the manufacture of cane sirup for six seasons, and have become quite interested in my business; more so since reading your valuable paper for the past division bar causes a regular and even feed, and prevents liability of breakage from the stalks crowding down on the side of its my business; more so since reading your valuable paper for the past division bar causes a regular and even feed, and prevents liability of breakage from the read many valuation and

About Glucose.

EDITOR RURAL WORLD: There are

sugar and cane sirups people were being not only imposed upon by dealers but poisoned by the use of it. We have been warned repeatedly through the press in cause our domestic production of the area of the wheely the families of from the splee of coverable and the production of the area with the same of the third of such a thing; that he must be a mery stionary framework will need the contract among the familes of a mery stronger of the share) a superficial knowledge of the habitity to appetical knowledge of the habitity to appetical the special contract of the special production of the area with the special production of the area of the special production of the product

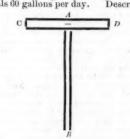
these 40-horse manufacturers, and sirup of my own make on an open pan or Cook of my own make on an open pan or Cook Evaporator comes fully up to the best of them. I have sirup that has 9 lbs out of

new process sugar, but it has not sustained itself in the market and is rapidly giving way. A simple method of testing sugar to discover this compound is

EDITOR RURAL WORLD: A good

A few motions of the sweep will re-A few motions of the sweep will remove all the scum from the surface of the batch. More scum will continue to rise as the evaporation proceeds, growing lighter in color until it is a cream white at last. Then we consider the clarification complete as far as it can be

hoop iron 11-2 inches broad is nailed on the outer edge of the sides, extending 11-2 inch below the side to guide the seum into the trough, and prevent it from running down on the under side of the pan. Parallel with the side of the pan and 4 inches from it stands the fender, made of a plank as long as the pan, 4 inches thick, standing on its edge, 1 inch below the upper edge of the pan, directly over the trough to conduct the seum into the trough, and protect the man who skims from being daubed with seum. You see no seum except on the pan, in the trough and in the bucket, it can be kept as neat and tidy as a parlor. But with a skimmer you are daubed unavoidably very often, making more labor and not doing the work as well. One man without assistance can make 60 gallons without any hoop iron 11-2 inches broad is nailed work as well. One man without assistance can make 60 gallons without any hurry in one day. In my opinion it is superior as a defecator to any pan that uses a skimmer. The batch makes 3 1-2 gallons of sirup; when the arch is hot it boils in 8 minutes, it is finished in 50 minutes. Making 17 batches in 14 hours equals 60 gallons per day. Description



of the sweep: A. B. handle, 2 feet 10 inches long, 1-2 inch thick, 2 inches wide at one end, 11-2 inches wide at the other. C. D. blade, 2 feet 5 inches long, 3 inches wide, 1-2 inch thick, with a mortice on the center of one side to receive the large end of the handle at right angles with the blade.

Tycoon, Ohio, July 28th, 1883.

pleasure of making a good article of sirup so far, and have averaged about two thousand gallons per season.

I use a 15 foot pan, in four parts,

They All Say the Same.

Our card in the RURAL WORLD has been the means of selling for us quite a for us. We consider it one of the best number of sheep, and we consider it one advertising mediums we have. We hand of the best advertising mediums we have. We hand you report of our sales since April 1st, have,

R. T. McCully & Bro.

Proprietors Lee's Summit Merino Sheep Farm, Lee's Summit, Mo.

Sheep Dying.

COL. COLMAN: Randall's Practical Shepherd received, but do not see anything in it that corresponds with the symptoms of the disease my sheep are dying of. They are still dying, 2 to 4 each day; will droop for a few hours and die without any apparent pain. Nearly all come up to the pen when taken, so I know pretty well how long each sheep is siek. I suppose they are feeling sick several hours, say 5 or 6, before they leave the flock. Any way, they do not live more than six hours after coming back to the pen. We have no veterinary surgeon here, or I would have had them examined long ago. I, this morning, moved themeter, or I would have mad them examined long ago. I, this morning, moved them three miles into entirely new range to see if it would help them any.

Enclosed find 50 cts. in stamps, balance due on book. Yours truly,

S. T. F.

Oo-wa-la, I. T., July 30, 1883.

REMARKS: From your brief description we are unable to determine the disease that is carrying off your sheep, but it is more than likely to be intestinal parasites, or worms in the lungs. For the former an experienced shepherd recommends, raw linseed oil one part turpentine one part; give a tablespoonful at a dose, for three days, then repeat in three days, and so on until symptoms change. Guard against constipation and let the food be nutritious.

If worms in the lungs, the fumes of burning sulphur is recommended as the best treatment. The affected sheep should be put in a close building and a pinch or two of flowers of sulphur burned on a piece of paper laid on an iron shovel, the sulphur being added pinch by pinch, until the air is saturated as far as can be breathed without vaclent int. by pinch, until the air is saturated as far as can be breathed without violent irritation or coughing; a person should remain in the building with the sheep, and thereby avoid the risk of an overdose. This should be kept up for half an hour, and repeated once a week. Nourishing food should be given in this case also, and the following tonic mixture: equal vertex of suphytes fixen, engager gerting.

That region is in the mixed range and farming district, and is being rapidly fenced up. It takes double to fence against sheep that it does to fence against horses or cattle. The alkali in the soil keeps up a continual snuffing when sheep are grazing, and the tendency of wild feed alone is to very light fleeces.

There is an impression abroad that there is much money in sheep in Kan-sas, but thousands moved from there to Missouri last year, and any one looking for a good sheep locality will do well to go slow and look sharp so far as Kansas

The business there as here is just now particularly sick for various reason; which at some future time with you permission I may take time to notice.

E. B. M.

Adair Co., Mo., July 31, 1883. SUCCESS WITH SHEEP .- Cassius M.

Success With Sheep.—Cassius M. Clay, of Kentucky, is well known as a successful farmer and writer. He says:

"Sheep that graze will feed at regular. Others were selected from the flock of Tyler Stickney & Son, V., a flock to-day. Others were selected from the flock of Tyler Stickney & Son, V., a flock that has been established for more than half a century, and has "justly attained great fame, while others were rand then lie down on the same ground. Hence the necessity of changing them to break up their place of rest. A new flock coming in will select a new place for lying down. In grazing they form a line most advanced in the center, that space being held by the leaders who direct the movements. This does very well when the space is wide enough for both flanks, but in deflies or other obstinct the headers, and get poor fare, and, consequently, are puny, and often diseased, for want of sufficient variety and choice of bite. Hence in close districts sheep must be kept in limited numbers, or else the whole thing will fail; and I have known many farmers who tried a "sheep farm" to quit it in disgust forever, and yet I say it "pays" when judiciously managed better than any other.

R. T. McCully & Bro's Sales

ED. RURAL WORLD: With this we hand you remittance for our advertising bill, and with it have to say that our card in the RURAL WORLD has been the means of selling quite a number of sheep

Kansas. 1 ram to T. W. Miller, WaKeeney,

Kansas..... Wool sold June 15th, 1026

We have 200 of our best rams left, that will average \$40 per head when sold, also 200 breeding ewes and lambs. How is that for a farm of 160 acres! Certainly it pays to handle Merino sheep of the best strains and registered. We have the fluest show of sheep for the fairs this fall we have ever had; were offered \$200 for our ram lamb, Model, and refused it. He is the finest show lamb of his age we have ever seen and if we don't miss our guess he will make many a good lamb. Wish he was at home before the fairs are all over. Hoping to meet you at the fall fairs. R. T. McCully & Bro.

Merinos for Australia.

Lee's Summit, Mo.

We have heretofore made mention of the late shipment of sheep to Australia, but the following letter from John P. Ray, of Hemlock Lake, New York, to the Rural Home, gives many interesting particulars and details not before presented:

Brief allusion has been made by the daily press to the recent shipment of American Merinos to Australia by Mr. Wm. G. Markham, Avon, N. Y., President of the New York Sheep Breeders' Association. This event is looked upon by the Merino breeders of the country as worthy of more than a passing notice, as it consists of a better and larger collection of prime No. 1 Rans, selected from the best and most noted flocks of the country, than was ever combined in one shipment made to any point.

It is a fact well known, and universally acknowledged among our sheep men, that the unwearied efforts of Mr. Markhum at home and shread have done by the Merino breeders of the country as

should the following tonic mixture: each analysis and common salt. Say about one teas spoonful to each sheep once a day.

Sheep in Kansas.

Col. Colman: I notice in the Rusal about sheep and wool in Kansas. The communication of J. E. B., from Reno county, is especially interesting from my having spent six weeks there lust Angust and September, during which time I had my eyes and ears open to everything pertaining to the sheep and wool business in that region.

Who J. E. B. may be I cannot say, but he is certainly the first man I have heard of who was satisfied with recent experience in that region.

Who J. E. B. may be I cannot say, but he is certainly the first man I have heard of who was satisfied with recent experience in that region.

Exerybody seemed to be to sell at all, or at any price that would let the owners out at cost.

Least where that would let the owners out at cost.

Least where out on shares (one-case). A friend had two hundred and loss of one hundred—846 worth of wool, three hundred—846 worth of wool, three hundred and loss of one hundred—846 worth of wool, three hundred and loss of one hundred—846 worth of wool, three hundred and loss of one hundred—846 worth of wool, three hundred and loss of one hundred—846 worth of wool, three hundred and loss of one hundred—846 worth of wool, three hundred and loss of one hundred—846 worth of wool, three hundred and one half the increase). A friend had two hundred and didn't make anything."

Lost we had a bad time with seah, and wild feed don't make mutton for market will soon eart up all the wool.

Grazaing sheep on wither wheat seemed to be generally a good thing, but not always a first of the region is in the mixed range and a farming district, and is being rapidly fenced up. It takes doubtle to know the state of the control of the

wonderfully increased wool-bearing capacity in the progeny. To sustain this view I have only to refer to the scouring records, made under the auspices of the State and Ontario and Livingston Association:—The "Nobles Ram," of 9 lbs. 3 oz.; The "Gilbert Ram," a few oz. less, both sons of "Tiger Sweepstakes;" "Dixie," 9 lbs. 2 1-2 oz., son of the Losie Ram; "Wooly," 9 lbs. 7 1-2 oz., by "Just Right," son of "All Right;" and many others that we might name, had we space, whose sires were exceptionally heavy folded. In fact, I have never traced the breeding of one of these great scourers where we did not meet the blood of this type of sheep, close up among the ancestors.

The largest number of rams selected from any one flock was that of Dean & Loving Vit.

from any one flock was that of Dean & Jennings, Vt., who own, and are breeding straight the flock formerly owned by the late Colonel Stowell, who ranked among Vermont's noted breeders. No among Vermont's noted breeders. No man succeeded in producing a fleece of wool, of a style and excellence peculiarly its own (and everywhere referred to as "the Stowell fleece"), as successfuly as he. This quality first cropped out in the great Ram "Golden Fleece" 70, whose blood wonderfully commingles in the flock to-day. Others were selected from the flock of Tyler Stickney & Son, Vt., a flock that has been established for more

Wool-Gathering

The resolution in the platform adopted The resolution in the platform adopted by the Ohio Republican Convention touching the duty on wool, which has for its object the placating of those en-gaged in the great wool interests of the State, is a farce on its face, and serves to show how even statesmen as great as Senators lend themselves to the task of headwhight the people

hoodwinking the people.

First, the 50,000 wool-growers of Ohio ought to know that the duty on wool was reduced by Republican and not Democratic votes. The duty was First, the 50,000 wool-growers of Ohio ought to know that the duty on wool was reduced by Republican and not Democratic votes. The duty was fixed by a Conference Committee on behalf of the two Houses, upon which Ohio had two representatives, John Sherman representing the Senate and Wm. McKinley representing the House of Representatives. The Tariff bill, with the wool duty reduced, received the vote of John Sherman in the Senate and of every Ohio Republican in the House of Representatives, with the single exception of Repre the House of Representatives, stood solid against the reduction, the duty would not have been reduced. And now come, in face of this record, Senator Sherman and Mr. McKinley and offer as a gag to the wool men "that the wool tariff of 1867 should be restored at the first possible opportunity." The wool-growers of Ohio are doubtless an intelligent class, and it is but fair to deal with them honestly. Hence some information:

them honestly. Hence some information:

Messrs. Sheridan, McKinley & Co. know full well that that they are powerless to have the duty of 1867 restored. They know that the Republican party is committed to the policy of no further interference with the tariff; and before the State campaign closes, Sheridan will be heard on the stamp belaboring the Democrats because quite a number of them favor, even by the next Congress, a further revision of the tariff. The only manner in which the tariff can be revised is through a bill which must only manner in which the tariff can be revised is through a bill which must have origin in the House of Representatives, and be reported favorably from the Committee of Ways and Means. Now, assume that Mr. McKinley, if he gets a seat in the next House, offers a bill to restore the wool duty of 1867. Go further, and assume that the Ways and Means Committee report with a favorable recommittee record. mittee report with a favorable recommendation such a bill to the House. He knows, or ought to know, that in such event the bill would be open to amendment, and upon such a single proposition it would be competent to build a bill revising the whole system of customs duties. He knows, too, that in such a case the Democrats would be strong enough to reduce the iniquitous existing protection to iron and other favored industries, and that in the end the original bill would be put in such a shape that not only Mr. McKinley, but a majority of the Republicans, would be compelled to vote against it. No single bill can be gotten through the House of Representatives which singles out a special industry for relief. Mr. McKinley has had experience in this particular no later than last winter, when he endeavored to put through—and was compelled to retreat—a bill to increase the duty on hoop-iron and cotton ties.

The wool-growers of Ohio might as well make up their minds, for the reason given, that the Republican party is absolutely powerless to help them. They are indebted to the Republican party for the plight in which they now find themselves, and the only relief they can expect must. The mittee report with a favorable recom-mendation such a bill to the House. He

The fleece of the Merino has been steadily growing finer as well as more dense, and if the demands of the market are such that it pays to make it still finer, the work can be accomplished within the breed, without going back fifty years for that purpose. If necessity requires, the Silesian Merino affords the opportunity to grow fine wool and from the purest of blood.

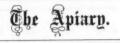
Sheep often go a long time without drinking, especially if in a pretty good pasture, and the dews are so heavy that they can fill up with wet grass in the morning; but when they do want to drink water is as necessary to their health and comfort as to that of any other animals. Therefore, keep a supply of pure water in the sheep pastures as much as in any other, and if the sheep do not drink from it give them a little salt once a week. They should have salt as often a week. They should have salt as often as once a week under any circumstances.

The English flockmaster has settled two points in British experience. First, that mutton is more profitable than wool, and second, that among English mutton consumers there is a decided preference for down or black-faced mutpreference for down or black-faced mutton. Tender, juicy flesh, with a fine
grain and rich flavor, ripe and yet carrying plenty of lean meat, is that which
suits the English market. A combination of these qualities is found to most
perfection in some of the black or gray
faced breeds or their crosses. This preference on the part of the buyers is so
marked that the butcher is enabled to
give at least two cents per pound more
give at lea

EARLY LAMES.—In order to have extra early lambs for the spring market, the ewes must be coupled this month, so that the lambs will be dropped in January. The average period of the gestation of the ewe is 153 days. Procure, immediately, a Southdown, Shropshire, Cotswold or Leicester ram.

SULPHUR AS A VETERINARY REMEDY.

-The editors of the Journal of Comparative Medicine and Surgery, an excellent



Handling and Hiving Bees.

A Connecticut correspondent of the New England Homestead writes as follows: In the Homestead of June 30, E. O. Tuttle gives his modus operandi of handling swarms. I will give mine, which I think is easier and frequently handier. When the swarm comes out, cage the queen as he advises, and after all the bees are out (I keep all my queens' wings clipped) throw a cloth over the front of the hive. Then put your caged queen under a box of any kind that is handy; elevate the box on two sticks of wood, having it directly in front of the swarming hive. The bees will in a few minutes hive themselves, and you can take care of them at leisure. I then take all the brood from the hive, A Connecticut correspondent of the I then take all the brood from the hive I then take all the brood from the hive, put in one empty comb and one frame on each side of it half full of foundation; put in the frames of side boxes, two of them on each side; put the case of top boxes in its place on the hive and close it up. I then liberate the queen at the entrance, and give the hive containing the bees a good shake to deposit the bees on the graund; then let them go in at

the bees a good shake to deposit the bees on the ground; then let them go in at their leisure.

The combs taken from the hive are swept clean of bees and given to the nuclei-raising queen, unless the cells on them are such as are wanted to raise queens from. If they are, the bees are not swept off the combs, but the combs and bees are used for forming the nuclei for saying the young queens.

l and bees are used for forming the nuclei for saving the young queens.

At the end of a week the old stock is ready for more combs. If it has been properly handled previously, it will now have a few boxes ready to come off. These are replaced by the side boxes, and then I go to the nuclei to which I gave the combs from the old hive; get two that the bees are mostly hatched out of; sweep them clean of bees; put one comb each side of the centre one, spreading the other two far enough sidewise to make room. The filling out of the two frames with comb that had the half sheet of foundation in, has kept the attention of the bees from any more swarmtention of the bees from any more swarm ing, and you will have two nice worker combs that are made from the wax scales that would have been wasted if ful sheets of foundation had been given. The bees are driven into the boxes, and

sheets of rollidation had been given. The bees are driven into the boxes, and their whole force is concentrated on the surplus. I have tried the above plan ever since 1873, and expect to look a long time for one that is better.

O. G. Russell, in the same issue, advises against too much smoke. Sixteen years working among bees, has forced me to say the same. Too much smoke is as bad, or worse, than none at all. More swarms of bees are made very cross than are naturally so. To illustrate this, I will give one instance out of a hundred I know: In 1880, a gentleman keeping 12 swarms of uncommonly cross bees called on me one day to examine my bees, I lighted the smoker, set it on the ground, took the top off the hive carefully, took off the quilt on top of the frames, and 'iffed out comb after comb without using a particle of graphs. We ware at least 4 min. comb after comb without using a parti-cle of smoke. We were at least 30 min-utes working with that stock; neither of us was stung, nor did a bee offer to sting. He wanted three queens of this sort, so that he could have as gentle bees. I let him have the queen from that hive (the smarm covered 12 Langstroth frames and was working in the top boxes) and two of her sisters. In six weeks I went to of her sisters. In six weeks I went to see him, and not being observed by him. I watched his movements. He walked up to the hive, snatched off the cover, took hold of the quilt with one hand, and yanked it off with force enough to tear the hive to pieces; in the other hand he had his smoker, from which he injected the smoke in smothering clouds, and the air was full of wofully enraged bees. That hive contained the gueen that was That hive contained the queen that was mother to the bers I handled without any smoke, yet he told me there was no crosser stock in his yard. One week afterward I handled that same stock without make without any same stock without the stock with the stock witho smoke, veil or gloves. The coaxing is easier than driving. The moral is

A very valuable honey plant is alsike clover, and very excellent for hay and pasture. Some farmers think it equal to red. If cut as soon as it blooms, a second bloom will come on just when most needed for the bees. The first crop of the season and not the second is saved for seed. Alsike does well on low, rich land. It may be sown with timothy in the same way and in the same proportions that red clover is sown. tions that red clover is sown.

QUEEN REARING.—Henry Alley is the author of a work entitled, "The Beekeeper's Handy Book, or Twenty-two Years' Experience in Queen Rearing." In a nut-shell that tells the whole story, which the writer takes nearly 200 pages to relate. His remarks are authoritative, and the book has been heartily endorsed by raisers of bees throughout the and the book has been heartily endorsed by raisers of bees throughout the country. One man is so enthusiastic that he says: "It is worth \$10 to me, though I never expect to raise a queen for sale." All the details incident to the care of bees are considered, and advice, suggestion and facts are clearly and concisely stated. It may be obtained from the writer by addressing him at Wenham. Mass.

DECLINE OF MAN.—Nervous Weakness, Dyspepsia, Impotence, Sexual Debility, cured by "Wells' Health Renewer." \$1.

If your horses have sore shoulders scratches, cuts or open sores of any kind, use Stewart's Healing Powder.

PERRY DAVIS' Pain-Killer!

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A SAFE AND SURE REMEDY FOR Rheumatism. Neuralgia, Cramps, Cholera, Diarrhœa. Dysentery,

Sprains Bruises. Burns

Scalds. Toothache Headache

FOR SALE BY ALL DRUGGISTS.

The Secret

of the universal success of Brown's Iron Bitters is simply this: It is the best Iron preparation ever made; is compounded on thoroughly scientific, chemical and medicinal principles, and does just what is claimed for it-no more and no less.

By thorough and rapid assimilation with the blood, it reaches every part of the system, healing, purifying and strengthening. Com-mencing at the foundation it builds up and restores lost health-in no other way can lasting benefit be obtained.

> 75 Dearborn Ave., Chicago, Nov. 7. 75. Dearborn Ave., Chicago, Nov. 7.
> I have been a great sufferer from
> a very weak stomach, heartburn, and
> dyspepsia in its worst form. Nearly
> everything I ate gave me distress,
> and I could eat but little. I have
> tried everything recommended, have
> taken the prescriptions of a dozen
> physicians, but got no relief until I
> took Brown's Iron Bitters. I feel
> none of the old troubles, and am a
> new man. I am getting much
> stronger, and feel first-rate. I am
> a railroad engineer, and now make
> my trips regularly. I can not say
> too much in praise of your wonderful medicine. D. C. MACK.

Brown's Iron BITTERS does not contain whiskey or alcohol, and will not blacken the teeth, or cause headache and constipation. It will cure dyspepsia, indigestion, heartburn, sleeplessness, dizziness, nervous debility, weakness, &c.

Use only Brown's Iron Bitters made by Brown Chemical Co., Baltimore, Crossed red lines and trade-mark on wrapper.

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Dixie Evaporators, Either galvanized iron or copper pans, with or without portable furnace; also fixtures for brick or stone arch. **Send for circular. Kingsland & Ferguson Mfg. Co., ST. LOUIS.



A KEY THAT AND NOTE SOL Direc. J.S. BIRCH & Co., 38 Der St., N. Y.

\$250 A MONTH, Ag'ts wanted. 90 best selling articles in the world. I sample free. Address JAY BRONSON, Detroit, Mich.

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Seeds! Seeds! CHAS. E. PRUNTY. 7 South Main St., Between Market and Walnut. - ST. LOUIS.

Prices according to market value RED WHEATS.

AMBER WHEATS. Early May, -WHITE WHEATS.

Tappahannock, White Chaff, Clawson, Red Chaff, Fall Barley, Seed Rye, Red Rust Proof Oats. Fall Bariey, Seed Bye, Bed Roye, Red Top, GRASS SEED—Timothy, Clover, Red Top, Blue Grass, Orchard Grass, Hemp Seed.

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THE BEST IN THE WEST at the Southern Hotel Bath Rooms, South Fifth Street.
Open from 6 o'clock a. m. to 8 o'clock p. m. Sundays, from 6 o'clock a. m. to 12 m.
Owing to the great throng daily patronizing our widely known establishment, gentlemen ONLY can be accommodated.

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and German. Location the large city. For ful pleasanter than the large city. For ful G. W. BROWN Jacksonville, CHEAPEST AND BEST IN THE MARKET. Kills Lice, Ticks and all Parasites that infest Sheep. CARBOLIC Vastly Superior to Tobacco, Sul-phur, etc. SHEEP DIP This Dip prevents and greatly improve ity of the wool. F two gallons of the rly diluted with w sufficient to dip dred sheep, so that

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\$66 a week in your own town. Terms and \$5 outfit free. Address H HALLET & Co., Portland, Ma-

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Horticultural.

Missouri Valley Horticultural Society—Regular Monthly Meeting.

The regular monthly meeting of the Missouri Valley Horticultural Society was held at the home of Maj. Frank Holsinger, near Rosedale. Nearly all the members were present and a large num-

members were present and a large number of visitors.

A magnificent table was spread under the maple trees in the yard, which was loaded with every conceivable kind of edibles. The display of fruit was good considering the season. A fine plate of peaches of the variety of Alexander was exhibited by W. A. Gosnell. After dinner the meeting was called to order by President Evans. Minutes read and approved.

proved.

STANDING COMMITTEES.

Small fruits—Lindsay, chairman.

Judge Newman reports a blight on Hopkins and Turner raspberries. Leaves are attacked on underside and curl up.

Mr. Holsinger reported raspberries all healthy except the Gregg, which has rusted some. Goodman thinks it an insect. Lewis believes it is mildew, and cansed by wet weather.

Stone fruits—No report from committee. Gosnell reported that wild goose plum at his place a good crop, tolerably free from curculio.

free from curculio.

The committee on orchards, Gano.
chairman, reported apples generally light crop, Janetins very full; fruit generally very defective and imperfect. Mr.

erally very defective and imperfect. Mr. Goodman has received reports from all over the state of Missouri which indicate one-fourth a crop of apples. Dickinson reports an estimate from Kansas which places the crop at 33 per cent. Pears reported a total failure.

The chairman of the committee on vineyards was absent. Mr. Espenlauo reported the early varieties a light crop, Concord, half crop; Goethe, a tull crop.

reported the early varieties a light crop, Concord, half crop; Goethe, a full crop. The committee on entomology, Holsinger, chairman, reported.

A very interesting essay was read by Mrs. Ambia; subject, "American homes," which was turned over to the secretary of the State Horticultural society to be published in their forthcoming report. "The history of the Missouri Valley society." written by Mai. Ragan, to be "The history of the Missouri variety so-ciety," written by Maj. Ragan, to be published with Mississippi Valley report, arriving too late for publication in that report, it was moved and adopted that said report be furnished to the Missouri and Kansas State Horticultural societies. It was moved and adopted that the society make an exhibition of fruit at Bisciety make an exhibition of fruit at Bismarck and Kansas City. All members were requested to bring specimens to the next meeting, to be placed in cold storage. The committee on fruit on table made the following award of prizes: Best plate Early Harvest, L. A. Goodman, 50 cents; best plate Sweet Bough, L. A. Goodman, 50 cents; best plate Early Harvest, best plate Early June red, G. W. Hopkins, 50 cents; best plate Early June red, G. W. Hopkins, 50 cents. Blackberries—Best box blackberries, B. S. Hogue; 50 cents.

Plums—Best box plums, W. A. Gosnell, 50 cents; best box raspberries, F. Holsinger, 50 cents; best box cherries, F. Holsinger, 50 cents; best box red raspberries, G. W. Hopkins, 50 cents.

Flowers—Best table, Prof. G. A. Goodman, 50 cents; best hand amateur, Ella Hopkins, 50 cents; best case, Ella Hopkins, 50 cents; best case, Ella

Ella Hopkins, 50 cents; best case, Ella Hopkins, 50 cents. Sales from fruit, \$7.80. The society adjourned to meet at the home of J. C. Cravens, Clay county, third Saturday in

NOTES.

Small fruits are looking well. Strawberry beds that have been well cultivated are very fine. Other small fruits have made a fine growth. Blackberry crop vary light

wery light.

Insects, owing to the superabundance of moisture, have not been as destructive to horticulture as if the season had been dry. The chinch bug has disappeared, as have many others. The curculic, gouger and coddling moth have come to stay, apparently. The apples are badly apparently. The apples are badly damaged already and as the coddling moth is double brooded, I fear that a good specimen will be the exception. Where care was had with the plum, some fine fruit is the result.

Those who meditate setting strawberries this summer should see to it at once that the ground is prepared. We note delivered some strawberry plants to a purchaser unon a certain agreed upon day in August. The plants were fully packed in a basket with damp moss, set in the cellar, and the next morning taken to their destination, where I found in the irred man spading up some ground in the corner of a rough timothy meadow as a place for planting them. The plants had been ordered six weeks previous, and had the ground be ensuing twiling the man spading up some ground been spatially and the man spading up some ground been spatially and the plants as soon as the flowers fall. It is an exhaustive process in the cellar, and the next morning taken to their destination, where I found in the corner of a rough timothy meadow as a place for planting them. The plants had been ordered six weeks previous, and had the ground been spatially and the plants as a plant of the planting them is muritious, the acid a is cooling the exists.

The plants had been ordered six weeks previous, and had the ground been spatially and the plants of the plants that flower the first year for the New Sceled in a basic state of the plants of t

Fruits as Food and Medicine.

Now that the fruit season will soon be here, it will doubtless be interesting and highly useful to our readers to learn something of the nutritiveness, digestibility, wholesomeness, medicinal action, and proper use of the truits and vegetables with which God has so abundantly blessed our earth. But while they are blessings, they, like many other blessings, have been converted into curses through the ignorance and perversity of mankind. Yet the fruit kingdom affords an almost endless variety of delicious and wholesome food, and, in many cases, the best of medicines, when properly used.

Dr. Paris truly says: "Were we to form an opinion of their value from their abuse, we should certainly be rather disposed to class them under the head of poisons than of aliments."

Now let us inquire why this is so. Is it because most fruits are unwholesome in themselves? or is it because they are Now that the fruit season will soon be

it because most fruits are unwholesome It because most fruits are unwholesome in themselves? or is it because they are improperly used? Evidently the latter is the true reason. A beneficent Providence never intended to afflict, but to bless, the human family by giving them a bountiful supply of fruit pleasant to the eye and sweet to the taste. What, then, is the trouble? How comes it that such blessings were nervered till they may be blessings are perverted till they may be compared with the

"Fruit of that forbidden tree Whose mortal taste brought Death into our world, And all our woe?"

The great error in the use of fruits consists in crowding the stomach with them when it is already full; in eating them at all times between meals when there is no natural demand nor desire for them. natural demand nor desire for them. When taken along with the food, as food, in moderation, or as a dessert, when the stomach is not full, they are highly conducive to health; and, as the writer quoted above very truly says, "they appear to be providentially sent at a season when the body requires that cooling and antiseptic aliment which they are so well calculated to afford." The correct rule for the use of fruits is to use them modfor the use of fruits is to use them mod-erately between meals, and at meals, as a part of the meal, or as a dessert, when the stomach is not overloaded with other the stomach is not overloaded with other food. Though desserts are, as a general thing, objectionable, because taken when the stomach is already full, truits are much more wholesome, when taken in this way, than the pastries, cakes, etc., generally used as desserts. Let us now briefly pass in review the different kinds of fruits, considering them in relation to nutritiveness, digestibility, etc.

Of all the fruits with which we are blessed, the peach is the most delicious and digestible. There is nothing more palatable, wholesome and medicinal than good, ripe peaches. They should be

palatable, wholesome and medicinal than good, ripe peaches. They should be ripe, but not over-ripe and half rotten; and of this kind they may make a part of either meal, or be eaten between meals; but it is better to make them a part of the regular meals. It is a mistaken idea that no fruits should be eaten at break-fast, or before breakfast. It would be far better if our people would eat less bacon and grease at breakfast, and more fruit. In the morning, there is an acrid state of the secretions, and nothing is so well calculated to correct this as cooling sub-acid fruits, such as apples, peaches. sub-acid fruits, such as apples, peaches, etc. Still, most of us have been taught that eating fruit before breakfast is highly dangerous. How the idea originated I know not; but it is certainly a great

error, contrary both to reason and facts. Plums are less digestible than peaches, on account of their pulp; and all pulp stone fruits are more or less indigestible, in proportion to the quantity established. stone fruits are more or less indigestible, in proportion to the quantity of this pulp, which is likely to cause fermentation, resulting in diarrhea. This is a frequent trouble in children, who often eat them halt ripe, and who frequently swallow them—pulp, seeds and all. The juice alone should be taken into the stomach, and this wholesome.

The apple is one of the best of fruits Baked or stewed apples will generally

Baked or stewed apples will generally agree with the most delicate and are an excellent medicine in many cases of sickness. Green or half-ripe apples, stewed and sweetened, are pleas-

We have thus the bewildering fact brought before us, that the sap circulating through one portion of a tree culminates in the production of excess of acid in the fruit, while in another there is found an excess of sugar. It is not unusual to observe a newly set scion oud, blossom and bear fruit the first year. The fruit may weight ten times as much The fruit may weigh ten times as much as the frail scion which held it up and supplied the nutriment necessary for its growth, but the little twig, transplanted to an alien limb, will set up a laboratory of its own, and from the strange juices to it will manufacture fruit totally dis-similar to its companion fruits growing in close proximity .- Country Gentleman

American Pomological Society.

EDITOR OF THE RURAL WORLD .- Allow me through your paper, again to jog the minds of your readers, especially those interested in pomology, that the American Pomological Society is to meet on September 12th, in Philadelphia. Missouri usually takes an interest in these meetings and sends a delegation, and when she sends a collection of fruit and when she sends a collection of fruit never fails to come off with honors. It is not improbable that the next meeting, in two years from September, can be secured for our State. Everything now indicates a fine attendance. President Wilder will doubtless be present. How many local horticultural societies of your State will be represented?

State will be represented?
Truly yours, W. J. BEAL, Sec'y. PROGRAMME OF BUSINESS.

Wednesday, 10 o'clock in the morning and 3 o'clock in the afternoon. Thursday, 9 o'clock in the morning and 3 o'clock in the afternoon.

Friday, 9 o'clock in the morning and 3 o'clock in the afternoon.

Rules of speaking. Five minutes, and no person to speak more than twice on the same subject, without unanimous

consent. Wednesday, 10 A. M. Introductory wednesday, 10 A. M. Introductory exercises; appointment of committees, —viz., on credentials, on nomination of officers, on record of fruits exhibited, on award of medal, on 'resolutions. 3 P. M. President's address; reports of committee on credentials and nomination of officers; election of officers; reception of treasurer's report; appointment of a trensurer's report; appointment of a place for the next meeting of the Society

Thursday, 9 A. M. Reports of standing committees; discussion of the value of fruits enumerated in the catalogue, as indicated by stars, to be called by the Secretary in alphabetical order, as follows: Small fruits, grapes, peaches, pears and apples. At the close of each division, statements relative to new varieties will be received. 3 P. M. Continuation of morning session.

Friday, 9 A. M. Reports of committees on fruits exhibited; reception of essays; continuation of discussion on value of fruits, and resolutions. 3 P. M. Completion of business; adjournment. 6 P. M. Banquet. committees; discussion of the value of

P. M. Banquet.

ESSAYS.

The following named gentlemen (the list is alphabetically arranged) will pre-

pare papers:
Hon. P. J. Berckmans, president of the Georgia Horticultural Society. Prof T. J. Burrill, Illinois Industrial University, on Diseases of Plants.

University, on Diseases of Plants.
Prof. J. L. Budd, Iowa Agricultural
College, on Experimental Horticulture
west of the Lakes.
Col. M. J. Colman, editor of the RuRAL WORLD, Missouri, on Utilizing our

Fruits.

Prof. J. Henry Comstock, Cornell University, on Insects of the Orchard.

Dr. W. G. Farlow, professor of cryptogamic botany, Harvard, University, on Uredineæ (rusts and mildews).

Chas. A. Green, editor of the Fruit Grover, on Certainties and Uncertainties.

Samuel Hape, Esq., Atlanta Georgia

Samuel Hape, Esq., Atlanta, Georgia, on the Effect of the Evening Sun on

on the Effect of the Evening Sun on Fruit Trees.
Byron D. Halstead, D. Sc., editor of the American Agriculturist, on Fungi.
Josiah Hoopes, Esq., Ex-President of Fruit Grower's Society of Pennsylvania, on Peach Culture in Pennsylvania.
Prot. W. R. Lazenby, Ohio State University, on Dichogomy in Cultivated Plants; i. e., noting examples where the stamens of a flower mature before the stigmas or the stigmas before the stamens.

Ampelopsis or Virginia Creeper.

Ampelopsis or Virginia Cresper.

The common Virginia creeper, or as it is often called "woodbine" and "five-leaved ivy," has long been held in esteem as one of the most desirable of hardy climbers. It is easily grown, and very soon covers a wall or other object with a dense mass of green. One of the most attractive features of the plant is its habit of assuming rich tints of red and orange in the Autumn. The Virginia creeper is a common plant in woods in the Northern United States. It is the only native woody climber which has five-parted leaves. The creeper is a near botanical relative of the grapes, its flowers and fruit having almost the same structure as they.

Another desirable climber in received

The creeper is a near botanical relative of the grapes, its flowers and fruit having almost the same structure as they.

Another desirable elimber, introduced some nine or ten years ago from Japan, is that known as Veitch's Ampelopsis (Ampelopsis Veitchii). In many respects this species is superior to the native Virginia creeper. Its most marked superiority is the readiness and tenacity with which it clings to a wall. In taking plants of the Virginia creeper one should be careful to select those specimens are apt to be torn from their support by side currents of wind, or a side twist. This is never possible with the Japanese plant, which has shorter tendrils holding the plant very close to its support. The Autumn coloring of the Japanese species is a rich bronze, but is not as showy as the native. Its leaves are thick, palmate, three-lobed and toothed. It is perfectly hardy in this latitude, where it is sold by all dealers.

A Fruit Tree Wash.

For the past twenty years, writes William Saunders to the New York World, I have used a mixture of lime and sulphur for a wash for the prevention and destructions from Japan is Styrax japonica, a strict that with attaining a height of six or eight took for six or eight took and bearing a profusion of most charming white flowers of the size of an observed that which it feet and bearing a profusion of most charming a profusion of most charming white flowers of the size of an observed that the solution that the solut be to some into some foot and cannot be made to do so. Even the strongest-tendrilled so not cling and cannot be made to do so. Even the strongest-tendrilled so not cling and cannot be made to do so. Even the strongest-tendrilled so not cling and cannot be made to do so. Even the strongest-tendrilled so not cling and cannot be made to do so. Even the strongest-tendrilled so not cling and cannot be made to do so. Even the strongest-tendrilled so not cling and cannot be made to do so. Even the strongest-tendrilled so not cling and cannot be made to do so. Even the

For the past twenty years, writes William Saunders to the New York World, I have used a mixture of lime and sulphur for a wash for the prevention and destruction of fungoid growths on all kinds of fruit trees, and with decidedly beneficial effects. It is now well ascertained that many of the diseases of both vegetables and animals are due to fungoid growths, and sulphur is the best known and one of the most potent antidotes for the mycelium and spores of microscopical fungi, and the most practical mode of fungi, and the most practical mode of using it is as an ingredient in the ordinary lime wash, applied to fences and exter-nal woodwork. As a sanitary auxiliary in cities, its employment will become general as its usefulness in the preven-tion of zymotic diseases becomes known. If every fence, tree-box, out-building or rough wooden structure in this city could

rough wooden structure in this city could at once receive a coating of this wash, it would greatly check the spread of malarial disorders. It is not costly, and the sulphur imparts additional adhesive qualities to the mixture.

The wash is prepared by placing half a bushel of fresh burned lime and eight pounds of powdered sulphur in a tight barrel, slacking the lime with nearly boiling water, the mouth of the barrel being covered with a cloth. When cool it is ready for use as ordinary white-wash. wash.

Horticultural Notes.

Peaches, cherries, plums, or any other fruit trees may be budded this month if the bark parts freely from the stock. Budding may be successfully performed early in September, but the sooner it is done now, the better.

Southern Illinois is shipping most of the peaches offered in the St. Louis mar-ket at present. The finest and most ex-pensive fruit exposed for sale comes from Palestine, Texas, just now—selling from \$1.50 to \$2.00 per box.

Gadsden and Humboldt, Tennessee, neighboring towns that grow and ship quantities of fruits and vegetables, are joining hands in the erection of a fine canning establishment—a very sensible move for the growers and shippers of that section.

Josiab Hoopes, Esq., Ex-President of cases of sickness. Green or half-tipe apples, stewed and sweetened, are pleasant to the taste, nourshing, cooling and laxative, being far preferable, in many cases, to the abominable doses of saids and oil usually given in fevers and other steams of a flower mature before the stames of the flower mature before the stames of the flower mature before the stames.

Hon. T. T. Lyon, President Michigan or the stigmas before the stames of the flower mature before the stames of the stigmas before the stames of the flower mature before the stames of the stigmas before the stames of the stigmas of the stigma

the hird extination, where I found in the corner of a rough timothy in the corner of a rough time of a rough tim

A favorite practice of dealing with the peach tree borer in the Michigan fruit region is to remove the earth about the base of the tree to the depth of several inches, leaving the crown of the tree and the bases of the larger roots exposed. The borer works best under the ground, and exposure to the weather seems to deal of the control and exposure to the weather seems to destroy many of them. The hollow is allowed to remain until after a few hard freezes in the Fall, when the earth is heaped about the tree for Winter protection. This practice is of course sup-plemented by digging out the borers with a knife. Many have tried driving nails into the base of the tree, and several other devices, but to little or no purpose.

The most valuable of recent introduc-

The "ATLANTIC" STRAWBERRY.—This name has been given to a new strawberry by a convention of fruit growers which recently met at Hammonton, N. J. It is a seedling raised by Mr. Potter, of that place, and is said to be worthy of introduction. It ripens fully a week later than the Wilson, and ten days later than the Crescent, and is indorsed by several noted strawberry growers for its good qualities of flavor, size, color, and productiveness. It is in the hands of William F. Bassett, of Hammonton.

WELLS' "ROUGH ON CORNS."-15c. Quick, complete, permanent cure. Corns, warts, bunions.

DARBYS Prophylactic Fluid.

For the prevention and treatment of Dipth-theria, Scarlet Fever, Smail Pox, Yellow Fever, Malaria, etc.

The free use of the Fluid will do more to ar-rest and cure these diseases than any known propuration.

DARBYS PROPHYLACTIC FLUID,

Also, as a Gargle for the Throat As a Wash for the Person; And as a Disinfec-tant for the House.

tati for the House.

A CERTAIN REMEDY AGAINST ALL CONTAGIOUS DISEASES.
It neutralizes at once all noxious odors and gases. Destroys the germs of disease and septic (putrescent) floating imperceptible in the air, or such as have effected a lodgement in the throat or on the person.

A certain remedy against all contagious cases.

Perfectly Harmless, used Externally or In J. H. ZELIN & CO., Proprietors. MANUFACTURING CHEMISTS, PHILA

Price, 50c per bottle; pint bottles, \$1. Vital Questions.

Ask the most eminent physician
Of any school, what is the best thing in the
world for quieting and allaying all irritation
of the nerves and curing all forms of nervous
complaints, giving natural, childlike, refreshing sleep always?
And they will tell you unhesitatingly
"Some form of Hops!"
CHAPTER I.
Ask any or all of the most eminent physicins:



"REX MACNUS" The Humiston Food Preservative.

is what its name indicates, "A Mighty King," the Conqueror of Time. It is a real, practical, successful Food Preservative and is of the utmost value to housekeepers, farmers, dairymen, butchers, grocers, and to all mankind.

It Keeps Food Fresh and Sweet.

At Meeps Food Fresh and Sweet.

REX MacNus will positively preserve meats, ish, milk, butter, eggs, and all articles of ood for any length of time and in any clinate, perfectly retaining their natural flavors, freshness and appearance without hange.

It Improves the Quality.

It improves the quanty.

This Preservative is composed of simple and perfectly harmless ingredients. It does not affect the taste or appearance of the food and by its use tough and dry meets are made tender. It improves the quality and thereby aids direction. Fresh Oysters Thirty Days Old.

Fresh Oysters Thirty Days Old.

Mr. H. P. Hubbard, the well-known advertising agent of New Haven, Conn., kept an open jar of oysters which had been treated with the proper brand of Rex Magnus, exposed in his private office for one month, and at the end of that time they were pronounced by epicures to be the finest they ever ate.

You Can Prova E

You Can Prove It at a slight expense to your complets satisfacit a signit expense to jour a county right, nor toon. You do not have to buy a county right, nor costly recipe. We sell neither the one norther other. All druggists and grocers keep it, or we will send sample packages prepaid by mail or express as we prefer. Name your express office. This succeeds where all others fail.

Brands and Prices.

(Viandine.) for meats, noultry, &c., 50 cts.

Brands and Prices.

"Viandine," for meats, poultry. &c., 50 cts. per B. "Ocean Wave" for oysters, lobsters, &c., 50 cts. "Pearl" for cream, \$100. "Snow fake" for milk, buter, &c., 50 cts. "Queen" for eggs, \$100. "Aqua-Vitae" for fluid extracts, &c., \$100. "Anti-Ferment," "Anti-Fly" and "Anti-Mold" 50 cts. per B. each.

Put up in 1 B. and 5 B. cans, and in 25 B. boxes. Mention this paper.

THE HUMISTON FOOD PRESERVING CO...

72 Kilby Street, Bostsn, Mass. 72 Kilby St., Boston, Mass. For sale in Chicago by Sprague, Warner & Co., Wholesale Grocers, and Van Schaack, Stevenson & Co., Wholesale Druggists.

THE ONLY GENUINE LEMON ROCK and RYE COMBINED WITH ACID PHOSPHATE,



ST. LOUIS WINE COMPANY,

617 St. Charles St., St. Louis, Mo.,

617 St. Charles St., St. Louis, Mo.,
A regular graduate of two medical collegea,
has been longer engaged in the Chronic,
Nervous, Skin and Blood Disenses than any
other physician in St. Louis, as city paper
show and all old residents know.
Nervous Prostration, Debility, Mental and
Physical Weakness, Mercurial and other
affections of the Throat, Skin and Bonea,
Blood Impurities and Blood Poisoning, Skin
Affections, Old Sores and Ulcers, Impediments
to Marriage, Rheumatism, Piles. Especial
attention to causes from overworked brain.
Consultation at office, or by mall, free and
invited. A friendly talk or opinion costs
nothing. When it is inconvenient to visit the
city for treatment medicines can be sent by
mail or express everywhere. Curable cases
quaranteed; where doubt exists it is frankly
stated. Office hours, 9 a.m. to 7 p. m.; Sundays, 12 m. to 1 p. m. Pamphlets free.



A Book for Every Man! The untold miseries that result from indiscretion in early life may be alleviated and cured. Those who doubt this assertion should purchase and read the new medical work published by the Peabody Medical Institute, Boston, entitled the SCIENCE OF LIFE; OE, SELF-PIESERVATION. It is not only a complete and perfect treatise on Manhood, Exhausted Vitality, Nervous and Physical Debility, Premature Decline in Man, Errors of Youth, etc., but it contains 235 prescriptions for acute and chronic diseases, each one of which is invuluable, so proved by the author, whose experience for 21 years is such as probably never before fell to the lot of any physician it contains 300 pages, bound in beautiful embosed covers, embellished with the very finest steel engravings, guaranteed to be a finer work in every sense—mechanical, literary or professional—than any other work retailed in this country for \$2.50, or the moneywill be refunded. Price only \$1.25 by mail. Gold Medal awarded the author by the National Medica. Association. Illustrated sample sent on receipt of 6 cents. Send now. Address, or the National Medica association. Hustrated sample sent on receipt of 6 cents. Send now. Address, Or, Dr. W. H. PARKER, No. 4 Bultinch Street, Boston, Mass. The author may be consulted on all diseases recuiring skill and experience. Young, Middle-Aged and Old!



D. P. KANE, Manufacturer, 205 N. 4th St., ST. LOUIS, MO.

physician free.

MARSTON REMEDY CO., | Sure cure for Epliepsy or Fits in 24 hours, free to poor. Dr. Kruse, 284 Arsenal St., St. Louis

COLMAN'S RURAL WORLD.

THIRTY-SIXTH YEAR.

BY NORMAN J. COLMAN.

(Advertisers will find the RURAL WORLD one of the best advertising mediums of its class in the country. This is the uniform testimony of all who have given it a trial. Many of our largest advertising patrons have used it for more than a quarter of a century, which is the highest possible recommendation of its value sean advertising medium. an advertising medium.

"GIVE the railroads high freights and they will give you high was shout of Sand-Lot Kearney.

THE excellent article on "The Growth of Colts," in our last issue, should have been credited to the National Live Stock Journal of Chicago, one of our most

and are now making inquiries about the suitability and prospect of establishing one in the city of Boonville.

THE weather the past two weeks has been delightful, affording shippers of perishable products unusual opportunities to reach the various markets successfully. The receipts of such goods are in much better order, and more presentable than usual, at this season of entable than usual, at this season of

M. CHARLES A. CAMERON, in a pers on the poisonous properties of boracic acid, mentions the fact that a cow died within a few hours after a dose of borax which had been administered to her in mistake for Glauber salts. Large doses of boracic acid caused paralysis of the nervous and muscular system in

FARMERS may find something imporrant in the following which is going the rounds: It is said that if two tablespoonfuls of carbolic acid be put into a gallon of water and sprinkled over potato vines. it will cause an immediate emigration of

free from disease, yet the lucrative business of exporting live cattle must be sacrificed to prevent the flerce competition with British beeves.

FROM the decomposing masses of animal flesh, Prof. Briggs, of Berlin, has isolated a very violent poison which analysis proved to be a hydrochloric salt of a new base, and which did not resem-

of a new onse, and wine did not resemble any other known combination.

This bears closely on the matter of burying all dead farm animals very deeply underground, and not merely covering them with earth or hiding them in a manuer with in a manure pile.

If it is expected to cultivate the farm in stock or in fruit, grain, or vegetables, an intelligent view of the adaptability of the soil must be well considered. When all of these questions are favorably settled, the price per acre is a matter of small importance. These remarks have been suggested by a request made of us the past week as to where a good place could be found near the city for a country residence. country residence.

THE cholera which is now rapidly spreading in the eastern ports of the Mediterranean has effectually closed up the Suez Canal. Almost all imports into Europe of Indian wheat go through the Suez Canal, and it is feared that this

in quality, and the prices ruled low throughout. The peach and pear crops are almost a complete failure. Grapes will not average more than half a crop, while the supply of apples is below the average. The season has been far from

THE present year has been full of disaster and the horrors do not seem to be over. Flood, eyclones, tornadoes, cloudbursts, hurricanes, destruction of property, hinderence to travel and, in many cases, loss of life, are of almost daily occurrence. The list of calamities is simply terrible. Yet with all these things of the missouri state University, and that for all particulars they address J. W. Sanborn, Dean, Columbia, Missouri.

BRO. COLMAN, of the RURAL WORLD, says the Carthage Banner, is a little mistaken in his last week's issue, in saying that the peach crop in the vicinity of of Carthage, has been badly damaged by a hail storm. We have had no aged by a hail storm. We have had no hail storm and the peach crop is all right except the Hale's Early have been rotting badly during the recent wet weather. If the weather comes off fa-vorable the main crop promises well. The RURAL WORLD is very glad to know

SOUTHWEST MISSOURI is beginning to PUBLISHED WEEKLY AT

ONE DOLLAR PER YEAR.

ADVERTISING: 25 cents per line of space; reduction on large or long time advertisements. Address NORMAN J. COLMAN, Publisher,

O Olive Street, St. Louis, Mo.

(Advertisers will find the Rural World on the East at a large price,

Address NORMAN J. COLMAN, Publisher,

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(Advertisers will find the Rural World one to be a large price,

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O Olive Street, St. Louis, Mo.

In all of the history of the world country life has been sought by men of science, learning, or opulence. Among the ancient Romans its advantages were portrayed in glowing colors in prose and poetry. The modern British aristocracy have their homes on their estates far reof Colts," in our last issue, should have been credited to the National Live Stock Journal of Chicago, one of our most yaluable exchanges.

AGENTS for an extensive Creamery Association are touring this state establishing a system of creameries at all the most important and convenient points, and are now making inquiries about the cuitability and prospect of establishing. their children; an abundance of pure air and an expansion of the mind by the wider range of horizon; the cooler at-mosphere amid summer's heat, with nights of refreshing rest.

As predicted in these columns last week, the financial difficulties of the Boston manufacturers have spread, and though in the main confined to those identified with the boot and shoe and identified with the boot and shoe and leather business, are by no means entrely so. Several banks have had to suspend, and this, Wednesday, morning we have the intelligence of the failure and suspension of Wright, Wooster & Co., wool dealers, and the assignment of all their property to Lester Goodwin, an employe. The firm is one of the prominent wool houses of Boston and has done a large business. The liabilities it is nent wool houses of Boston and has done a large business. The liabilities it is thought will aggregate a heavy figure. The concern has stood in very good credit and been considered worth from \$100,000 to \$150,000. The failure causes surprise in the trade. We hope our Western wool-growers are not interested.

Depressed British agriculture is foreing the English Government to prohibit the importation of foreign live cattle, under pretext of preventing the spread of cattle diseases. It is capable of undoubted proof that American herds are free from disease, yet the lucrative business of exporting live cattle must be so heavy with the cattle must be so heavy were ready to cut, but his yield would evidently be so heavy with the prevention of the cattle must be so heavy were ready to cut, but his yield would evidently be so heavy with the cattle must be so heavy with the cattle must be so heavy were ready to cut, but his yield would evidently be so heavy with some cattle must be so heavy with some cattle must be some cattle disease. was the main crop. "It is just booming
—the stalks as big as saplings, and two
and three ears are setting on each stalk —so if it goes on in this way corn will be worth nothing." His hay was so heavy it was difficult to cure, and the stacks would nearly cover the meadow. And his potatoes were crowding each other in the hills. "The fact is," he other in the fills. "The fact is," he said, "the crops are all large, and will be worth nothing. Don't see how this country is going to stand it. Everything is going to destruction. Bad times, and the farmers may as well quit trying to do any thing," and he made his way toward a saloon to see a man.

THERE is not one of the departments of agriculture that if a young man will study with a view of making it a life work, giving himself intellectually as thorough a training as he would be com-pelled to have if he became successful in the professions or mercantile pursuits. the professions or mercantile pursuits, but he can make money with ten times the certainty he can in any of the professions or mercantile pursuits. We are constantly hearing of the struggle for wealth by those who live in cities. There is rather an interminable struggle for existence, and not one in a thousand of the population in all our cities, has the least reason to believe that the will are

few succeed in earning a salary sufficient to give themselves and families a com-fortable home, while ninety out of every one hundred of the young men who re-main on the farm with a determination of making farming a permanent business, become owners of homes and surround themselves with the comforts and con-veniences of life, and with many of its

much to be thankful for.

Only seven of the Northern States hold elections which are of any importance this fall. They are Massachusetts, New York, New Jersey, Pennsylvania, Ohio, Iowa and Minnesota. They all vote in November, except Ohio, which votes in October. These States all supported Garfield, except New-Jersey, which barely went for Hancock. It is scarcely supposable that these states will again vote with such unanimity.

Bro. Colman, of the Rural World, Bro. Colman, of the Rural Wor this century now in common use. Ma-chines are employed in the West which chines are employed in the mass which in the cut eighty acres of grain in a day; and machinery is used in almost every branch of agricultural industry. One reaping manner chine managed by a single man, will do as much work as 30 men by hand. The ef-fect of this application of mechanism to agriculture, is to cheapen the product, to increase the size of farms, and to de-The RURAL WORLD is very glad to know that it was misinformed.

THE Missouri and Kansas Fruit Packing Company's building is rapidly moving towards completion, and when fine ished, another industry of profit to both city and county will have been added to our already thriving city. This company is organized with T. Eggers, president of first national bank of Appleton City, as president, E. R. Lane, of Fort prive a great number of people of em-

Scott, secretary and business manager, and E. C. Bennet, of Appleton City, as directors. Their intention is to ship fruit by the barrel to the southwest. At Appleton City they manufacture their Appleton City they manufacture their harrels.

| Scott, secretary and business manager, and E. C. Bennet, of Appleton City, as directors. Their intention is to ship fruit by the barrel to the southwest. At Appleton City they manufacture their harrels.

| Scott, secretary and business manager, other intention of first-class milk other branches of industry. It is folly cellent average of \$203. The Messrs. Tracy are not only clever gentlemen, for the land has been taken already, true as sterling bullion and first class which time some of our raders have written are always sure to larger than the thirteen original States; aim high in their breeding by securing to \$200 per head, in the county fairs in larger than the thirteen original States; Railroad grants have absorbed an area larger than the thirteen original States; and one railroad company is negotiating the sale of 4,000,000 acres to an English syndicate. All the best land is being taken up in one way or another, so rapidly that there will soon be none left for the homeless poor man under the Homestead Act. Besides, what can he do with a tract of land, without money to clear and cultivate it, to buy tools and clear and cultivate it, to buy tools stock. Verily the outlook for wo men is anything but encouraging.

YOUR PAPER.

There are many, very many reasons why those who have been for some time past readers of the RURAL WORLD should both say and do all they possibly can for it. The prudent farmer will not allow his house and barns to get out of repair and run down, or his farming implements to remain out of order because it will cost a certain amount of money to put them in good condition. Neither will he refuse to buy a mowing machine which will require a considerable outlay at the time, knowing that in the and it will able him to save money in gathering his crop. There are always certain expenditures which a wise farmer feels free to make, knowing that it will pay in the long run. One of these is his subscription for at least a weekly. Looking at it entirely from the economic point of view, he regards it as a good investment. It furnishes him with the prices of all It turnishes him with the prices of all kinds of produce, so that he knows when to hold and when to sell. It gives him information concerning the prospects of the growing crops, of their improvement in one section and their poor appearance in another. It tells him how the crops are looking in other countries, and thus enables him to take a broad view of the situation which, in special seasons, may situation which, in special seasons, may be of enormous value to him. points, we say, the progressive and wise-ly prudent farmer knows, and he considers his newspaper as one of his very best investments. But it is safe to say that where there is one farmer of this stamp, there are five who look upon a newspap-er as a mere luxury, only to be indulged in by those who have plenty of money to spare. A single year's trial would con-vince them to the contrary. They would learn that the newspaper is of more value to them than any implement in their possession, even as a means of making and saving money. And now will not the many members of the great RURAL WORLD family do what they can to ex-tend its circulation and make of their neighbors more intelligent and successful farmers, for the trifling sum of one

Farmers' Pic-Nic at Mineola Springs, Mo.

COL. COLMAN: I have been requested Col. Colman: I have been requested to write you and ask you if you will come to Mincola Springs, near Danville, Montgomery county, Missouri, on the 25th of August, and address the people on Agriculture. There will be a Farmers' Pic-Nic at that place on that day, and there will be a large attendance from Callaway, and this (Montgomery county). Everything will be made as pleasant as possible for you, and all your expenses defraved. Hoping to receive a expenses defraved. Hoping to receive a favorable answer, I am, yours truly,
JAMES W. GILL.
Montgomery City, Mo.

REPLY.—We will try to be present.

Che Cattle Pard.

Mr. H. D. Ayers, of Breckenridge, Mo. nade a call at our office early on Monday last, on his way from the Kentucky sales. He had with him two car-loads of Shorthorn cattle, thirty head. Of these The cholera which are spreading in the eastern ports of the Mediterranean has effectually closed up the Suez Canal. Almost all imports into Europe of Indian wheat go through the Suez Canal, and it is feared that this embargo on Indian trade will have the most serious results for the grain trade in that country. Much alarm exists in Europe lest, in spite of strict quarantine regulations, the dread disease should penetrate into European ports.

Tr has been rather an off year for has been rather an off year for has been rather an off year and not one in a thousand of the population in all our cities, has the least reason to believe that he will east reason to believe that he will have the most serious results for the grain trade in that country. Much alarm exists in Europe lest, in spite of strict quarantine regulations, the dread disease should penetrate into European ports.

Tr has been rather an off year for has been rather an off year for who he ear other pursuits, ever rise to boys who leave the farm for the city, or who enter other pursuits, ever rise to boys who leave the farm for the city, or who enter other pursuits, ever rise to be boys who leave the farm for the city, or who enter other pursuits, ever rise to be boys who leave the farm for the city, or who enter other pursuits, ever rise to be boys who leave the farm for the city, or who enter other pursuits, ever rise to be boys who leave the farm for the city, or who enter other pursuits, ever rise to be boys who leave the farm for the city, or who enter other pursuits, ever rise to be boys who leave the farm for the city, or who enter other pursuits, ever rise to be bown of the population in all our cities, has the centurely. The fi twenty were from the herd of Geo. M. Groom's sale for \$2,000. The other bull out of the same cow and by the 6th Duke of Goodness. The others are all of the Goodness family. The Robinson cattle consist of Marys, Phyllises, Flora, Rose of Sharons and Lady Elizabeths, are nicely bred, and as individuals, first-class animals. The bulk of these were purchased at the sales by Fenlon Bros., of Leavenorth Kurses, and by them of Leavenworth, Kansas, and by them

or Leavenworth, Kansas, and by them resold to their present owners.

Mr. Ayres also brings with him a Hambletonian stallion, Goldsmith, bred by D. B. Haight, Dover Plains, Duchess county, New York. He is brown in color, county, New York. He is brown in color, with a stripe in his face, and one white foot behind, is 16 hands high, and was purchased of Alex. McClintock, of Milersburg, Kentucky. He is by Rysdick's Hambletonian, dam by imported Trustee. Mr. Ayers is under the impression that this is the only horse by Rysdick's Hambletonian in the State. He is a good one, and will stand for service at Mr. Ayer's farm, near Breckenridge, Missouri. Those within a hundred miles of him, who have good mares to breed, will do well to note the fact. And this is the way two good men from Kentucky are building up the great Shorthorn interest building up the great Shorthorn interest in Caldwell county. With Joe Scott and H. D. Ayers, both from Bourbon county, Kentucky, Mr. J. F. Finley and the other breeders of Caldwell co-operating, they will make things lively in one of the best the State, and one too, but little known or appreciated abroad.

B. A. & J. T. Tracy's Sale.

The sale of B. A. & J. T. Tracy and W. D. Thomson, took place at Winchester, on the 26th July. Forty-seven animals were sold to twenty-six buyers from the States of Kentucky, Ohio, Illinois, Virginia, Missouri and Indiana, paying therefore as follows:

	therefore as follows.	
	No.	Pric
	Kentucky 31	84.7
ì	Obio 6	2,1
	Illinois	1,9
	Virginia	2
	Missouri 9	9
)	Indiana 1	17-11
	The state of the s	

aim high in their breeding by securi-the highest individuality in their sires.

The Grigsby-Hobinson Sale.

The sale made by the Robinson Broth-

ers, of Winchester, Kentucky, and J. V. Grigsby, of Lebanon, Tennessee, at Winchestor on July 25th attracted a large attendance and the animals excited in many instances a keen competition. It was the first sale of the Robinsons and we fear they were a little disappointed with the ontcome, for their cattle were in excel-lent condition, of well known families, and very nicely topped.

Mr. Grigsby formerly lived in the neighborhood of Winchester, and had an

excellent reputation as an enterprising breeder; and this has evidently followed him into Tennessee, for breeders from that State, were strong competitors with the "Radius" men for his best Craggs attle

cattle.

There were thirty-six present who purchased animals, viz.: From Kentucky, 19, Tennessee, 9, Kansas. 1, Ohio 2, Virginia, 2, Indiana, 1, Illinois, 2. The Kansas purchaser, as will be seen elsewhere in this issue, sold his cattle to Joe Scott and H. D. Ayers, of Missouri, thus the seven head credited to that State should be not dearn to Missouri. be put down to Missouri. The aggregate of these was as follows:

Tennessee, 16 Missouri 7 7,765 1,205...... Virginia, 2 Illinois 3 Indiana 2 ********

Total, 65 \$25,120 Mr. Grigsby's average for eighteen females was \$808.33; Robinsons, for thirty-seven females, \$216.10. Ten bulls averaged \$240.50. The best price paid was by George and W. W. Hamilton, for 12th Duchess of Crethmere, red '81, by Duke of Crethmere, dam 1st Duchess of Crethmere, \$1,350. T. C. Anderson, of Sideview, invested about \$5,000 in the Sideview, invested about \$5,000 in the Craggs, having paid \$950, \$825 and \$750 respectively for them at the sale, and one thousand for one afterwards. W. H. Brown, of Lebanon, Tennessee, paid \$2,700 for six. D. Parish, of Pine Grove, Kentucky, \$2,140 for three, and quite a number sold for over \$700. The Messrs. Robinson have now shown to the world what they can do, and we bespeak for them a successful future. Their enterprise is deserving of it.

Sale of Wm. M. Irvine.

This gentleman made his sale at Richmond. We did not have the pleasure of attending it, having to leave for home from Winchester. We learn, however, that he sold 45 animals, the females at \$171.60, and four males at \$56.25.

Mr. A. McClintock, Millersburg, Ky., has sold to Messrs. Biggstaff & Berry, Mt. Sterling. Ky., the Pansy bull, Gladstone 7239 for \$1,000.

H. V. Pugsley last week, sold 131 unregistered Merino ewes to J. F. Scott, of Houstama, Pettis county, Mo., at \$10 each, and also two registered rams at \$40 and \$50 each.

buying 1,000 cattle—principally cows and heifers, for a cattle ranche in southern Dakota, and will ship one thousand from Moberly. He bought a bunch from Jesse Griffin, of this place.

W. R. McBride, of Monroe county, is

Mr. S. W. Robbins, Weathersfield, Conn., has purchased from S. M. Burnham, Saugatuck, Conn., a Jersey bull calf, twenty-eight days old, by King Coffee 5522, dam Ona 7840, (test 20 lbs, and 13 ozs.), for \$5,000.

Messrs. Gudgell & Simpson, of Independence, Missouri, announce the arrival there Saturday, of 20 polled Angus bulls, one and two year olds; they are said to be a very handsome lot. They have also 20 head of cows and heifers in quarantine at Quebec, which will be cleared about the last of Sept.

We are told that on Thursday a Clinton county Short-Horn man offered to take the six females Mr. Dawson bought at the Abe Renick sale and pay him dvance of \$100 on each one But Mr. Dawson showed us what he had expect-ed to have to pay for those cows to get them, and the gentleman would have to come again to get them .- Plattsburg Dem-

A good crowd was in attendance at the monthly stock sale at Fulton, Mo., on Monday last, but very little stock was on the market. One cow and calf sold for \$35, another for \$37, two yearling mules each \$60.25; 44 head mixed steers, one's two's, and three's, \$32.05, eleven two year old steers at same. A few plug horses offered but no buyers wanting them. One saddle mule brought \$135.

Capt. Charles E. Leonard and his brother Abiel Leonard are reported to have purchased in England and Scotland over three hundred head of Polled Angus, Aberdeen and Galloway cattle, included in which however are a number of choice Shorthorns. So soon as the days of their quarantine are passed they will come to Mount Leonard and Bell Air, Mo., in charge of Mr. Leverett Leonard, a noble contribution to our maginficent herds

Gen. L. F. Ross of Iowa City, Iowa.

to \$200 per head, in the county fairs in Scotland; they are not generally of the fancy pedigree families. Seventeen bulls and twenty-eight heifers were bulls and twenty-eight heifers were dropped in April in the herd belonging to Mr. Wilkin, of Waterside. In the herd at Pitfour the crop of calves numbers ten bulls and eight heifers, to sires Lord Maurice 1881, and Lord Buchan 2205. Mr. Fraser, Kinbate, has sold three Polled yearling bulls, by Battlemen 1768. The purchaser is Mr. Craig, Airdrie, Kirkdean, Domfries, who hought them for export to America. bought them for export to America.

Mr. Ferguson, Kinnochtry, Scotland, has sold to Mr. Whitfield, of the Govern-ment Model Farm, Rougemont, Can., twenty polled bull calves of this year, of twenty polled bull calves of this year, of his own breeding, at the price of £60 per head, put free on board steamer at Glasgow in the autumn. The calves ranged from two to six months, of the Coupar Angus, Keillor Favourites, Kinnochtry Princesses, Baronesses and Emilys, Tillyfour Prides and Daisys, Glenbarry Victorias, and Castle Fraser Minas, and are a very good lot, as might be expected from their ancestry.

Mr. F. C. Nifong arrived at home one Mr. F. C. Nifong arrived at home one day last week and brought the news that the large herd of cattle of G. W. Nifong & Co. had been quarantined at a point near Caldwell. Kansas, on account of the prevalence of the cattle fever. The firm will not be permitted to drive them onward until the coming of frost. Mr. G. W. Nifong is hopeful that rest on the excellent range provided for their quarantine will soon cure them of the disease lowe. antine will soon cure them of the disease and that further fatalities will be avert-

I would like to know from breeders of I would like to know from breeders of experience whether a cow is more likely to get with calf by having more than one leap. How many cows can a Shorthorn yearling bull serve without impairing his future usefulness?—H., Luton, Ont. [One service, if properly performed, is better than any greater number, and quite as sure. The number of services of a young bull can scarcely be decided positively. What would be excessive and render one sure. The number of services of a young bull can scarcely be decided positively. What would be excessive and render one bull impotent would not so affect another. A forward young bull would serve with equal ease one-third more than a backward yearling. Again, the number depends upon the manner of service; for instance, a bull may serve more animals per annum if the cows are more animals per annum if the cows are brought at all seasons, than if the breeding were done at the spring time only.]

Aotes-Correspondence.

-Some of the farmers assert that their corn crop is further advanced and freer from weeds and in every way more promising than at this time last year.

-The condition of the crops in the states of Nebraska, Iowa, Minnesota, Wisconsin are, according to latest reports, good. Corn in Iowa promises a larger yield than last year.

-This is a dangerous season for the little folks. Fruits and vegetables being plentiful, parents will do well to keep a watchful eye on their children and check over-indulgence.

hold an Agricultural and Mechanical Fair, at

Peoria, Ill., from the 4th until the 14th of September, 1883. Entries open to the world. The special feature of the Fair will be stock -In making a short trip through Illinois bottoms a few days ago I noticed

that the cherry trees were the only ones that had been killed by the overflow. I did not see a live cherry tree where the land had been overflowed .- F. P. C. Special attention is called to Mayor Beatty's Parlor Organ advertisement in another column. Any of our readers who are in want of a Cabinet Organ at a reduced price should order at once from the advertisement, as the

time is limited to only seven days from date

-I wish you would send me the names and address of some of your Angora goat owners. I bought one in Missouri some years ago from a doctor at Macon City and had others offered me at reasonable prices. The Kentuckians want more money for theirs than I have got. -W. H. J., Carlisle, Ark REPLY. We do not know a man in Missouri having Angoras for sale. Perhaps some of our readers can in-

-The Electric Match Co., of Pierce City are receiving many very flattering notices from the press of Southwest Missouri. We hope to hear that both press, merchants and people are unanimous in supporting all worthy home manufactures. There is no tax on matches now and the infamous match monoply is bound, we hope, to be broken, and that the people will be able to buy them at their real value.

—In a conversation with one of our millers

will make as make. And now, while big Bob and Manchester are suffering from the heat and drought, Daisy is spreading herself like a carpet, and would overrun both the others if

vesterday he desired us to urge upon farmers the importance of cleaning their wheat be-Gen. L. F. Ross of Iowa City, Iowa, sends us his private catalogue of the herd of Red Polled cattle. Norfolk, Suffolk and home-bred, owned by him. Gen. Ross has been engaged for some years in an attempt at converting horned cattle to polled. In his experiments he has employed the Shorthorn, Devo.

would say, we brought the drill to the notice of the readers because it possessed many points of excellence that commended themselves to the practical farmer, and we would advise those of our readers who can appreciate a good thing when they see it, to write for a descriptive circular to P. M. Gundlach, Belleville, Ill., that will answer all questions.

-We are having warm weather now, the very thing needed for the growing corn, of which there is the largest acreage that was ever grown in one year in this State. Corn is ever grown in one year in this State. Corn is looking well, and with one or two good rains in August, the yield will be simply enormous. Wheat was almost a failure. Oats were never much better than the present crop. Sugar cane is looking fine, of which I have about five acres. Fruit is a fair crop, but nothing to compare with last year. Hay in abundance, but rather unfavorable weather for curing. Hogs scarce and high. Cattle in good demand.—Old Missourian Clinton Co. good demand .- Old Missourian, Clinton Co

-Adair Co., Mo., July 30, 1883.-Harvest is progressing finely—oats are all in shock and good. Grass is heavy and being saved in good good. Grassis heavy and being saved in good order. Corn has improved wonderfully in the past few days but will require the best of weather in the future to make a good crop. Pastures and gardens good, but apples Iowa.

and that further fatalities will be averted.—Fredericktown, (Mo.) Plaindealer.

Messrs. Towers and Gudgell, Beaver department, have just crossed the Arkansas river with 4,000 head of one and two-year old steer cattle which they propose to locate on a new range on the Little Missouri in Montana, ninety miles north of J. L. Driskill & Son. This bunch added to the 6,000 head of through cattle purchased on this market and started north some time ago, will make them 10,000 head to start in with, on their range in the Montana department. They propose to add annually to their northern range about 10,000 head for the next five years.—Dodge City, (Kas.) Globe.

I would like to know from breeders of According to the latest statistics the hay -There are three or four of us from here

business they do, and in what towns they are. Any information about the best place to locate in the State will be thankfully received .- Fraternally yours, S. E. R., Spirit Lake, Iowa....Of southwest Missouri, it may be said, the climate is mild, grass and range abundant, and streams numerous. All the crops incident to such a climate may be grown there, and cattle and sheep find range nine months in the year. For the fruit grower, the dairyman, the cattle feeder or breeder as well as the general farmer it offers the in-ducements of a good soil, a healthy climate, cheap lands and good society. There are no canning establishments in the State outside of St. Louis that we know of.

-I would like to ask you a few questions through the columns of the RURAL WORLD. 1st. Are you acquainted with the Amautka spring wheat, and is it in any way superior to any of our common spring wheat? 2d. Will cedar berries grow over one year old, and what is the right way and time to plant them? 3d. Where could I get the cheapest and best small seedling pines and evergreens to set out next spring? If I could get the pine seed of the different kinds and knew how to raise them I would be pleased. 4th. My wife wishes me to ask you another question, and that is, how is the cheapest way to put up tomatoes The wheat crop in Howard and Jasper how is the cheapest way to put up tomatoes counties, is reported as having come up to the average of past years. In Jasper county green and ripe? By answering the above he average is from 16 to 18 bushels per questions, you will much oblige a subscriber.

Yourstruly—A. S. A., Kearney Nebraska......

REPLY. 1st. We are not acquainted with it country is very great, and the sportsmen may expect to have a fine time when the law permits them to shoot. The number of if so we will be glad if they will give the information. 2d. Yes. If kept over for spring--We learn the entire wheat crop, 60 acres, planting they should be mixed with sand and ter. May then be planted in the early spring. 3d. You will find them advertised in the RURAL WORLD in due season by a number of reliable urserymen. Will answer your fourth ques-

tion next week. Summer Stoves.

In a late issue we made mention of a very excellent gasoline stove and oven, made and sold by Charles T. Whorf at 1014 Washington avenue, St. Louis. Since that time we had further experience with both, and have met with others who have on that recom mendation purchased and tried them, can confirm all that was then said and commend them to the approval of all who would enjoy theluxury of first class cooking, baking, broil the luxury of first class cooking, on hing, or ing, boiling or frying without the trouble and intolerable heat of a coal or wood stove in intolerable heat of a coal or wood the heat of summer. The oven is indeed a daisy; never have we seen better bread, pies, biscuit, or meat baked than in it, whilst the stove is lighted as readily as a lamp and gives but little more heat. For these goods or for heating and ventilating public or private buildings, address as above

Strawberries.

FRIEND COLMAN: In my article on the three strawberries, trusses instead of trees; and 4000 instead of 400; and Big Bob is a good runner instead of making no runners. Please correct and oblige Yours truly, S. MILLER.

And, while on the subject, let me state what an acre would bring of such Daisies. It is at the rate of 12000 quarts per acre, just what they netted us, and they netted me 15 cts per quart, just 180 dollars per acre. this seems enormous, it is simply a plain fact. I do not say that this Daisy is the greatest strawberry, by any means, but do will make its mark. And now, while Big Bob

I would let her go. It will save correspondents trouble if they think that this new one will be sent out at extravagant prices, forthat will not be if it remains in my hands; for it will be within the reach of everyone after the first of Sep-

Bluffton, July 20th, 1883.

REMARKS: The above corrections should have been published earlier, but the letter was overlooked.

Hon. N is consid creamer Holt and at Monro as a bon lege at dairyma creamer; capacity one more ject than the infor not post whom we Proctor letters fr visit som mend as ment.—H member and if you REPLY. I factory, a the dean occurs to tories any see how t plant cost ion now the

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The dam Wild Rose, her pedigr it by your disclosed t unknown. iam J. Tuth N. Y. Duquesne of Charles miles north and Duque burg, Pa. side, she wa 1874 she pre

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Bashaw char er bears m Referring following fa unprejudice Medium wa Black Haw Cleora) was dam of the ed, road and a bridle, na Fremont, so who was no ore argum oletonian er

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Creamery Outfits.

HON. NORMAN J. COLMAN: This community HOS. NORMAN J. COLDAN.

Into considering the subject of establishing a creamery, but we lack information. Messrs.

Holt and Hall of Iowa have built creameries at Monroe City, La Plata. Huntsville and other points for \$5,500 in money and \$1,000 in stock as a bonus. The dean of the agricultural col as a bonus. The dean of the agricultural col-lege at Columbia, Mo., who is a practical dairyman, says that we ought to build a creamery of five or six hundred pounds daily capacity for \$2,500. Now, if we could build for these figures it could be done at once, but if it takes \$5,500, it is doubtful. We know of no it takes \$5,500, it is doubtful. We know of no one more likely to be informed on this subject than you, and trust that you will give us the information desired. If however you are not posted would you kindly inform us to whom we could apply for light. Hon. J. M. Proctor and myself are a committee to collect information, and we are indorsed with letters from Hon. J. S. Rollins. President S. S. letters from Hon. J. S. Rollins, President S. S. Laws and the Dean of the Agricultural Col-lege. If we should conclude that it is heat to risk some, what county would you recommend as the one having the best establishment.—H. L. Gray, Sturgeon, Mo. P. S. I omitted to say that Mr. Proctor is the present member of the legislature from this county, member of the legislature from this county, and if you choose you may address him......
REPLY. It occurs to us that 86,500 is a pretty good price for the necessary plant for such a factory, and are decidedly of the opinion that the deap of the college is nearly county. the dean of the college is nearly correct. It occurs to us that you should see other factories anyhow before you invest a dollar, to e how they order their business, what the plant costs and whether they are of the opinion now that the price was a fair one. In a very short time we hope to present in these columns some data that may guide you. The industry is regarded in this State as one of great promise, and we are quite sure that a little competition among those who furnish supplies will do no harm.



The Bashaw Family of the East.

DUQUESNE.

It would be a poor tribute to the memory of our highly-esteemed friend, the late Charles L. Sharpless, to allow the mistakes that have appeared about the breeding of Duquesne to

pass unnoticed.
Mr. Sharpless' well-known lively interest in the breeding of our American trotter and Jersey cattle calls for more than passing notice, at a time when a trotting stallion, bred by him (with his own selection of American trotting elements, has won his way into the magic circle of 2.20), as Duquesne recently has done. This gentleman made many experi-ments with all of the so-called fashionable families, and cast them aside as trotting sires, returning to his early conviction, that the descendants of our "Bashaws of the East" possessed that game resolution and quick nervous energy so essential to the make-up of our great American trotter. This experience led him to purchase Tippo

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Bashaw (by Doble's Black Bashaw, dam by Tippo Saib, son of old Tippo Saib), and use him as a stock horse, until he could purchase one that pleased his fancy better, which was Blumberg's Black Bashaw, the sire of Cozette and the wear-and-tear trotter John II.

Tippo Bashaw was a very handsomely-finished brown stallion, and a level-going easy-gaited trotter. He was a remarkably npt, high-strung driving horse, and did

ot require any bearing rein.

The dam of Duquesne was the bay mare Wild Rose, by Rysdyk's Hambletonian. There her pedigree must stop. An investigation of it by your humble servant, three years since, disclosed the fact that her dam was a high-strung mare of thoroughbred characteristics, urchased from a band of gypsies, breeding unknown. The curious can inquire of Will iam J. Tuthill, Blooming Grove, Orange Co. N. Y.

quesne was bred and toaled the property of Charles L. Sharpless, Chelten Hills, eight miles north of Philadelphia, Pa., the spring of 1873. That fall Mr. Sharpless sold Wild Rose and Duquesne to Mr. Paul Hacke, of Pitts-burg, Pa. While Duquesne was by his dam's side, she was again bred to Tippo Bashaw. In 1874 she produced the brown stallion Hugo,

with a strip on his face, and hind ankles His head and neck are well joined. and his withers are a good height. These are Bashaw characteristics; while his driving pow-

Referring to our Bashaws of the East the following facts will command the attention of unprejudiced breeders: The dam of Buzz
It is true that the use of cheap stallions of
Medium was by Nonparell, son of Long Island
Black Hawk. The dam of Jimmy McKee's
dollars in stud fees at the start, but for every
Young Fullerton was the Vannort Mare by Jupiter. The dam of Menelaus (the sire of Cleora) was by Long Island Black Hawk. The dam of the best Wilkes (all things considered, road and track) that ever looked through a bridle, namely, May Bird, was by John C. Fremont, son of Long Island Black Hawk, who was not a Black Hawk horse, but a descendant of our Bashaws of the East. Are more arguments wanted? Why have Ham-bletonian enthusiasts always aimed to cough down such facts? "One swallow does not make a summer," neither can the ideal American trotter, as yet, be claimed by the adherents of any one family.—Breeders' Gazette.

Have Your Horse in Condition.

The victory of the California filly Eva in the race for four-year-olds at Chicago last Saturday was the result of a carefully laid and well-executed plan by Orrin Hickok, who

ting them in public races, and, more than that, winning. But the trouble with the men who make entries in races for youngsters is who make entries in races for youngstead that, in a majority of cases, they do not give the animals in their charge anything like the but it may be caused by disease. Indigestion occasions a constant irritation and uneasines, which may impel the horse to take hold incomplete to trot a creditable race. They are, of order to trot a creditable race. They are, of occasions a constant irritation and uneasiness, which may impel the horse to take hold with the teeth and stretch the neek as a man never drops, cracks or shrivels. Bunches large, compact, uniform, beautiful and showy. A good keeper, of excellent quality, and promoted by experienced manufacturers uniform the animals: with the teeth and stretch the neck as a means of relief. From this grows the habit permanently injuring, the animals; but, if means of relief. From this grows the habit means a wine grape. We court the full earned by court feet when the an

heat she was on the extreme outside, and yet before the first turn, was reached she had trotted around all the others, and had taken the pole. She lost the heat because she quit. Here is a filly that, when two years old, trotted a public mile in 2.24%, and yet, as a four-year-old, she cannot last out a mile in 2.23! Nothing but lack of condition can ex-plain such a performance, and, as she was only third in the second heat, and last in the third and fourth heats, not having made a break in all this time, the conclusion is irreous. Her near hind leg is white almost to the sistible that she was not keyed up for a race.

Algath, after winning the first heat in 2:23, is never able in the succeding three heats to get better than fourth place. The only one ne beats all the time is Bonita. Jersey Lily and Billy Clinker trot their heats out gamely, and in the last three heats easily outfoot their superiors in speed, Algath and Bonita. They had both been trotting races, and hard ones, too, in Iowa, and were seasoned for the fray. Eva outlasted them all, simply because she had received the most careful prepara-tion that a young horse ever underwent. For several weeks Hickok had her at the Cleveland track, and once in every six or eight days she would get a regular horse-race. Bill McGuigan, "the wild man from Michigan," would get behind old Lucy, the pacer, a boy would be put up on a runner, and Hickok would drive Eva. Then all the forms of a race would be gone through with. There would be from five to fifteen scorings before each heat; and, when a start was finally made, the race would be in earnest from wire to wire. From four to six heats would be trotted, and the result was that when Eva reached Chicago she was as whale-lose and step land its track of the result was that when Eva reached Chicago she was as whale-lose and step land its track day. bone and steel, and fit to trot all day. Hickok's policy was the correct one, and he won the race where many another man would have lost it.—Breeders', Gazette.

Profitable Horse Farming.

Horses suitable to match in pairs for the entleman's carriage, and also to go single in the coupe, are profitable to raise. To obtain these, select perfectly sound mares, fifteen to sixteen hands high, well formed, with good temper and spirit, fine action, and as much style as can be got combined with the above requisites. The horse to breed to these should also be as perfect in all things as the mares special attention being paid to a kind dispo-sition, good eyes, feet and legs. In one or more of these four points the carelessly chosen stallion is often most blamably deficient As like begets like, it is out of the question to expect choice offspring from diseased or imperfect parents. The stallion ought to be 15½ to 16½ hands high, and weigh, in proper working flesh, 1,150 to 1,350 pounds. His breeding must be good, either of the trotter or race horse class. Objection may be made by some to the latter, but if of pony-build, kind temper, sound, with extra-broad, flat, sinewy legs, clear, tough hoofs, he is the most prefer able, because his make-up is of a more en during and superior order to all others, save the Arabian. The latter is too small to use for carriage and coupe horses, though answering as well as the smaller horse to get ach as are suitable for a lady's phæton of

This larger class of horses above can be broken to do light work on a farm at three years of age, kept there until six, and then sold. During these three years they will pay for their raising, and, if well matched, can be then sold all the way from \$600 to \$3,000 or more the pair, according as they prove. Single horses will bring half this amount, or more if extra fine. Some of these will prove as good under the saddle as others in harness and may then be sold at a fancy price. The best of the above horses are always scarce in city markets, and sure to sell quickly when offered there, and at high prices. There is also an excellent steady demand for them abroad, the larger ones for noblemen and wealthy gentlemen's carriages, those of a size less, with good wind and fine action, for the mount of army officers and also for the hunt-

Horse Notes.

At a large and influential meeting of reeders held at Norwich, England, July 7, nder the presidency of Mr. A. Hammond, it was decided to establish a stud-book for roadsters, hackneys, cobs and ponies, and a society was promoted with that object. The title of the stud-book is proposed to be "The tree hair, and gives it a beautiful, soft, glossy Roadster Stud-Book," but the matter will be determined at the York meeting of the Roya

Good, sound, green horses, capable of pulling a road wagon at a 2:40 gait, are very scarce, while the demand for such is con-Basane characterisates, many stantages and prices advancing. stantly increasing and prices advancing. Such animals are not often produced by breeding inferior mares to scrub stallions, as many farmers know from actual experience. actually lost.

> Much of the improvement in the speed of the trotting horse of late years is due to attention paid to tracks, and more especially to the improved construction of the vehicles the horses have to draw. In this line none has a greater right to pre-eminence than the cel-ebrated Chicago house of Thomas H. Brown & Son, Mr. Brown having taken his son into partnership. The Novelty Carriage Works are known from Maine to California, and are patronized by such owners and drivers as Robert Bonner, Samuel Gamble, Leland Stan ford, R. West, H. C. McDowell, John Splan, W. H. Crawford, Dan Mace and others whose names are "too numerous to mention."

It is a fact worthy of note that four of the even sons of Alexander's Abdallah, which have produced 2.30 trotters, are from daughand well-executed plan by Orrin Hickok, who drove her, and the lesson which the race has taught to the other people who had horses in it is one that should be taken to heart by every trainer and breeder in the country. It is a short one, and is: Have your horse in condition.

Colt races are made for, and supported by, another of the four, was fooled in 1865, from

condition.

Colt races are made for, and supported by breeders. The owner of every stallion is naturally anxious to have the get of his horse obtain reputation as early in life as possible, and this can be accomplished only by trotain the condition of the complete of the four, was foaled in 1865, from Dolly, she by Mambrino Chief, from a mare said to be by a son of Potomas, second dam by the thoroughbred, Saxe Weimer. Thoromodale was represented at the close of last season by Edwin Thorne (2.16%), Daisydale

zette. When Mr. Hickok left here last spring for the East he 'prophesied that Fanny was one of the coming great trotters, and was of the opinion that she would distinguish herself this season:

Fanny Witherspoon, the bright and shining light of the Midway stable, is a large chestnut mare, sixteen hands one inch, weighing likely about 1,050 pounds in her present condition. She has a thin line of white down

ous. Her near hind leg is white almost to the hock. She has rather a plain head, with a tendency to Roman nose, a long, slim ear and clever eye, a straight neck of medium length, deep shoulders, rather flat, and angular in the middle piece, ragged hips, remarkably clean flat limbs and splendid feet. She is said to have trotted eleven races as a two-year-old, yet I doubt if there is a sounder trotter living. She wears shin boots, scalpers, rolls, and quarter boots, 13-ounce shoe forward, 8-ounce behind, a large snaffle covered with leather, and a curved check bit, worked by an overdraw resembling Carlton's. Every-body knows she is Almont's daughter, and since she can trot very fast and stay, Messrs. Busby, Simpson, et. al., will never cease to remind us that her dam was of running blood, so far as known. She is a rough-gaited mare, except when at top-speed, and reminds me of Proteine. Those in the secrets of the stable say she can give any trotter a race.

Wise's Axle Grease wears longer than any other, because it does not gum.

SUNDRIES.

Character is higher than intellect. Our to-days and yesterdays are the blocks

with which we build. Fits, Fits, Fits, successfully treated by World's Dispensary Medical Association Address, with stamp for pamphlet, Buffalo

N. Y. Those who set up a standard must expect

to be judged by that standard.

If For four years I suffered agony from skin disease Dr. Benson's Skin Cure cured C. B. McDonald, Plantersville, Ala. \$1, at druggists.

Truth alone smells sweet forever; and ilisions, however innocent, are as deadly as the canker-worm.

If good seed be sown, though it be born of by the four winds, some grain will fall on the mellow ground and show the flower. A pint of the finest ink for families or

ols can be made from a ten-cent pack age of Diamond Dye. They color Silk, Wood or Cotton. By far the best experience of men is

up of their remembered failures in dealing with others in the affairs of life.-Smiles Conrad Oberle, St. Louis, Mo., says: "I have taken Brown's Iron Bitters for general de bility and have been benefitted."

A reasonable faith is the lever which move the world; it surmounts all obstacles and as cends the hill of difficulty.

The first real skin cure ever discovered was Dr. Benson's Skin Cure. It cures all rough and scaly skin diseases and makes the skin smooth and healthy. It is an ornament to any lady's toilet.

The true grandeur of humanity is in mora elevation, sustained, enlightened, and decor ated by the intellect of man.-Sumner. For the Children.-Let the children take

immons Liver Regulator and keep well. It is purely vegetable, and safe to take either alone or in connection with other medicine Mild in acting and pleasant to take. Cherish love in the household as you would

cherish its life; it is its life and glory, and the wealth of the Indies cannot atone for its loss. Cancers and other tumors are treated with inusual success by World's Dispensary Medical Association, Buffalo, N. Y. Send stamp for pamphlet.

Restraint in the expression of unpleasant feelings or harsh thoughts is the foundation stone on which many a happy home and many near and dear friendships are built.

For its soothing and grateful influence on the scalp, and for the removal and prevention of dandruff, Ayer's Hair Vigor has no equal. It restores faded or gray hair to its original dark color, stimulates the growth of and silken appearance.

In blessing we are blest. In labor we find our rest;
If we bend not to to the world's work, heart

and hand and brain, We have lived our life in vain.

50 Fits in 24 Hours.—"I employed some of the best physicians here," wrote Wm. E. Tan-ner, of Dayton, Ohio. "They all said my child could not live for 3 weeks. It had 50 fits in 24 hours. We gave it Samaritan Nervine and the medicine effected a permanent

cure." Druggists. Truth, being founded on a rock, you may boldly dig to see its foundation, without fear of destroying its edifice; but falsehood, being laid on the sand, if you examine its foundations you cause it to fall.

Proof Everywhere.-If any invalid or sick person has the least doubt of the power and efficacy of Hop Bitters to cure them, they can find cases exactly like their own, in their own neighborhood, with proof positive that they can be easily and permanently cured at a trifling cost-or ask your druggist or physi-

Hop Bitters Co.-Sirs-I was given up by the doctors to die of scrofula consumption. Two bottles of your Bitters cured me. Leroy Brewer, Greenwich, Feb. 11, 1880.

The mind is like the body in its habitsexercise can strengthen, as neglect and in-dolence can weaken it—they are both im-proved by discipline, and both ruined by neg-

FLIES AND BUGS.—Flies, roaches, ants, bed-bugs, rats, mice, gophers, chipmunks, cleared out by "Rough on Rats."

AGARA NATIVE WHITE GRAPE EVER

JOHN B. BLYHOLDER, Horseshoer and Farrier. Road and Track work a specialty. 2717 Franklin Ave.

BREEDERS' DIRECTORY.

AMES W. JUDY, Tallula, Menard county, Ills., live stock auctioneer. Sales made all parts of the country. Refers to any eeder in the west.

PHIL. C. KIDD, Lexington, Ky., live stock auctioneer. Sales promptly attended to in all parts of the country. Correspondence solicited.

L. P. MUIR, Chicago, Ill., live stock auction States or Canada. All correspondence prompt ly answered.

COL. JOHN SCOTT, Nevada, Iowa, live stock auctioneer. Sales made in all parts of the country, at reasonable rates. Correspond-ence solicited. B. SCOTT, Sedalía, Mo., breeder of Shor Cotswold Sheep. Anything in the herd for

J. W. BLA' KFORD, Bonaparte, Iowa, Breed-China Swine of best strains. Correspondence invited. Prices reasonable. Satisfaction guar-anteed.

J. BAKER SAPP, Columbia, Mo., breeds quality. Imported stock at head of herd. Catalogue and price list free. JERSEY RED HOGS and Spanish and American Merino Sheep, bred and for sale by J. Rozelle, Breckenridge. Mo.

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SIX (6) YEARS

The Bome Circle.

After Graduation What?

The following eloquent address delivered by Hon. Albert Todd, of St. Louis, to the graduating class of the Bettie Stuart Institute, Springfield, Illinois, 1883, occupies the space usually devoted to the Home Circle this week, and we commend it to the earnest careful reading of all

Young ladies of the graduating class of 1883, I have ventured to accept the honor tendered me by your distinguished preceptress, Mrs. McKee Homes, of addressing you on this interesting occasion of your leaving the beloved and affectionate Homes of your personal accomplishments, moral culture and mental education to return to the homes of complishments, moral culture and mental education to return to the homes of your parental roof-trees, where the sweet memories of your earlier years make everything fondly loved, the auxious and affectionate cares of father and mother for your happiness, make everything most filially revered, and where, soon, the study of the duties of the expectant future will earnestly engage your consciences and judgements, and where your hopes and plans relative to that future will rationally and happily brighten it or unhappily and disastrously blight it. You will go hence more or less taught in the knowledge of nature's beautiful and sublime operations through her mystic seasons in the fields and the forests, in the rivulets and the rivers, in the seas and the skies; also of the marvellous development and history of man and woman under their influences and formative forces; also of man's noble capacities and powers to think, to will and to do, whereby his rank can be made to be one "a little lower than the angels;" also of the workings of his sentiments and passions, of his conscience and reason, in the social and public life, and in the questions of the highest or divine. This knowledge you acquired from your studies of the curriculum of this institution, and with it tal education to return to the homes of your parental roof-trees, where the acquired from your studies of the curriculum of this institution, and with it rieulum of this institution, and with it you will begin the new epoch of your life, with your farewell to these halls. This knowledge is power, and with it each of you will become a responsible factor in the world's onward progress. Although this knowledge is hardly more than initiatory, yet its possession is both suggestive and commanding. It suggests where and how you can aid in the best tendencies of our advancing civilization, and where and how you can best resist and correct whatever impedes it, and it commands you to do it with the and it commands you to do it with the authority of an enlightened conscience, and with the divine persuasions of the needs of humanity's noblest aspirations.

needs of humanity's noblest aspirations.

This knowledge has instructed you that its influence has increased the spread of the enjoyment of the physical comforts of this life; has made man more rational and just in his desires and ambitions; has relieved woman from the depressing and degrading theories and doctrines of social, economical, and political inferiority; has diminished the causes of war, lessened its barbarisms and alleviated its sufferings; has made all honest labor, however humble, honorable, and has exalted the victories of peace above those of the sword until the glorious art of the canvas and of the marble for the immortal honor of the inble for the immortal honor of the in-ventor, the engineer and the statesman, eminently successful in those things that secure "peace with honor" and its com-forts and happiness, rivals in frequency. popularity and magnificence that for the victorious soldier.

Let not your faith and enthusiasm for a future of continual improvement in all these noble advancements be quenched or weakened by those whose contracted or illiberal early teachings, or whose unor illberal early teachings, or whose un-fortunate organizations or exceptionally bad experiences or atrabilious tempera-ments cause them to believe, not only in the doctrine of total depravity, but in its resistless perpetuity, and, therefore, be-coming logically pessim sts; they would teach that the world was "going to the bad" rapidly and inevitably. Such owl-ish teachers have their beneficial uses, for they stimulate those who. like the ish teachers have their beneficial uses, for they stimulate those who, like the generality, would believe otherwise, to greater vigilance and more constant efforts for a happy refutation of their sinister apprehensions, and of their fearful and repulsive predictions. Such views are sacrilegious in that they impugn both the justice and wisdom of our Creator, for they charge Him with being the author of a creation endowed with the feelings of pity for the suffering, charity for the erring, love for the good and beautiful, veneration for the aged and the wise, who, in the words of the Bible, "God created in his own image," and in the words of Hamlet, "How noble in reason; how infinite in faculties; in in reason; how infinite in faculties; in form and moving, how express and admirable; in action how like an angel; in apprehension how like a god!" which, notwithstanding all this, will not and cannot avoid a life of misery and a finality of degrain.

I am sure, young ladies, that you do not believe in such teachings; that your hearts, your consciences and your judg-ments dissent and revolt from them, and that you will leave these halls to become. that you will leave these halls to become, rather, colaborers with the bright and hopeful vanguard of Christ's example (the optimists by their faith in man's continued improvement) to establish the practice, as well as the belief, of the beatitudes by Him declared upon the Mount. For intelligent and successful work in this noble mission it seems wise that you soon adopt for your future a programme. This should be, I submit, such as shall be suggested by one's perprogramme. This should be, I submit, such as shall be suggested by one's personal situation, means, plans and gifts relative to things outside of the natural duties of your sex. These latter are entitled to and should ever have supreme sions and our most exalted sentiments. Upon their due regard and performance depends the happiness of the family, the character of society and of our social life and the stability and improvement of good government itself. Of these duties, affection and reverence for parents, sisterly and brotherly love, devotion to children, ambitious zeal in practically acquiring the rare knowledge and grand fine art of household affairs, from kindling the culinary fire up through all grades of cookery, from the humble hoe-cake and bacon up to the artistic angel-

In the current questions, relative to In the current questions, relative to tractical tife, the security and comfort of who would realize at its threshold what the future of life to them might and should be:

Young ladies of the graduating class of 1883, I have ventured to accept the honor tendered me by your distinguished preceptress, Mrs. McKee Homes, of the graduating class of the graduating class of the graduating class and policies directly shape and govern these. Your sex's influence on social usages has been increasing from year to year, until now their character and regulation are, chiefly, within the court of or the graduating class and legislative policies directly shape and govern these. Your sex's influence on social usages has been increasing from year to year, until now their character and regulation are, chiefly, within the court of or the court of usages has been increasing from year to year, until now their character and regulation are, chiefly, within the control of her will and determination. As is the her will and determination. As is the sovereignty of the queen in these essentials of social intercourse, so is or should be that of woman in our country. She should make her power regnant, not only in the bow, the pose and the deportment, but in those conditions of holy matrimony, without which its honor, prosperity and happiness are oftener wrecked than by any other causes. Relative to these in years the sangian of him the social ways accompany a position that that always accompany a position of theory or belief that is felt to be indefensible and unjust under the analysis of reason and the philosophy of established facts. To these, however, in this last half of the ninetenth century, traditional notions and irrational usages, however ancient, must yield. The time, it would seem, is not very far distant when and happiness are oftener wrecked than by any other causes. Relative to these I would here invoke the sanction of him whom all Americans love, esteem and revere before all other men—him, who was "first in war, first in peace and first in the hearts of his countrymen." His adopted daughter, Nellie Custis, had become "sweet sixteen" and had attended her first ball. She took the liberty in her her first ball. She took grave man, to remark upon the beaux founded upon the essential differences she met there, and not very favorably for them. This was in 1795, towards the end of Washington's second term of office. His reply was responsive both in humor and wit, beyond what most persons could believe, and was full of condescension and affection, and in it he thus sagely wrote:

"When the fire is beginning to kindle when the life is segmining to Andrea and your heart grows warm, propound these great questions to it: Who is the invader? Have I a competent knowledge of him? Is he a man of good character; a man of sense? For, be sure, a sensible woman can never be happy with a fool.
What has been his walk in life? Is he a
gambler, a spendthrift or a drunkard?
Can he suitably maintain me? Is he one to whom my friends can have no reas-onable objection? If these interrogator-ies can be successfully answered there will remain but one more to be asked. That, however, is an important one: Have I sufficient ground to conclude that

You will observe, young ladies, that in this last particular Washington makes no exception, even not in favor of ''leap

Here is advice with reference to the most important engagement of life that you can hereafter contract worthy of a Solomon, and worthy of being printed among the blanks for the family records, bound into our family Bibles, for both the instruction of parents and a guide for their daughters. It is of equal value, if followed, for securing the permanent peace and prosperity of the family upon which those of the state mostly depends, as is that of his farewell address, if followed, for securing the permanent peace and prosperity of our nation.

The education of the daughters of the Here is advice with reference to the

The education of the daughters of Columbia is fast becoming universal, and of grades as high as their faculties and strength will authorize. In this great preparation for the duties of life they are grades as high as their faculties and strength will authorize. In this great preparation for the duties of life they are now but slightly behind their brethren in privileges and in accomplishments. The powers and their legitimate desires and wants thus evolved and cultivated withments that the content of the manual satisfaction, or they must suffer a reaction that will dwarf their wholesome classification in the subjects; in the publication of the news of intellectual productions; in the delivery of platform lectures on social and politication that will dwarf their wholesome classification. wants thus evolved and cultivated within them, must have "ample room and verge enough" for free action and rational satisfaction, or they must suffer a reaction that will dwarf their wholesome growth, make restless their spirits and produce the discontent that robs life of its proper aspirations and its noblest uses. Where shall they look for and find the "ample room and verge enough" for the fairly suggestive and appropriate operations of those powers, desires and wants? They have only to look around them, with earnest, charitable and intelligent eyes, to find the opportunities, and they will thus discover that "no pen up will thus discover that "no pen up the fairly suggestive and supportunities, and they will thus discover that "no pen up the fairly suggestive and of tis polite and æsthetic vintellectual productions; in the delivery of platform lectures on social and politication, or they must suffer a reaction that will day, and of its polite and æsthetic vintellectual productions; in the delivery of platform lectures on social and politication of the provision in the publication of the news of a subjects; in teaching seminary and cademic instruction, ordinary, superior and classical; in the practice of the provision of the fine arts of music, the drama, and of painting, and sculpture. In some of our governments she has been, also, granted the full right of suffrage and in many of the states a limited right, and I have yet to learn from authentic evidence that from the exercise of this privilege will thus discover that "no pen up the favorable and cultivated with and productions; in the publication of the and averted and politication of the say and of its politication. will thus discover that "no pent up Utica contracts their powers, but the whole boundless continent" of public and political questions that operate upon and affect the beauties, the enjoyments and the glories of roof, fireside and altar is

Let us briefly consider some of these Let us briefly consider some of these questions. I will leave the supreme question of matrimonial engagement where Washington left it. Among the questions outside of that that are entitled to your consideration, both practical and speculative, during all your future years and which your educations here acquired under the wise instruction, the considerate supervision and noble example of your most worthy preceptress, have qualified von to discuss and decide, are those that shall influence and shape are those that shall influence and shape the forms and fashions of social inter-course, that shall characterize and mould public opinions and sentiments relative to the fittest relations between the sexes, and that shall cause the legistation of the state to recognize and secure them for their happiest realizations. What shall be the form and fashions of social intercourse may be made to depend upon the sanctions of sensible and cultivated women. They will for these purposes specially appreciate and favor such individual qualities as personal integrity and honor, charitable dispositions, emulating tastes and intelligent and emulating tastes and intelligent and emulating tastes are the legistation. To your abits of reading, study and reflection, acquired in this institution, you should now begin to add a new one, that of observing the current information of the so-serving the current information are introduced to the family institution are involved the needs of legislation. emulating tastes and intelligent and now tegin to add a new one, that of ob-pleasing conversations. Where these prevail social intercourse cannot be vi-cial and political movements of your cious; will be patient in forming opin-ions of others in order to be just; will be improving in manners, sensible and taste-opportunities shall allow may be intelliduttes of your sex. These latter are entitled to and should ever have supreme titled to and should ever have supreme priority. The duties of home, parental and created, are transcendant. They are founded upon our best instincts, our most precious feelings, our noblest passions and our most exalted sentiments. Upon their due regard and performance depends the happiness of the family, the character of society and of our social life humor which the occasion and the stability and improvement of rent events and surroundings may any so country, in order that you may so that you have prehend them that your influence as your interest your influence as your interest your influence as your prehend them that your influence as your interest your prehend them that your influence as your interest.

cake and the pate de fois gras; from the intelligent and tasteful direction of furnishing the house from the kitchen cupboard up to the parlor piano, and of adorning by the graces of a cordial hospitality and by the entertainment of a sensible, agreeable and cultured conversation. Of your sphere in these things there is no dispute but I au one of those there is no dispute but I au one of those sation. Of your sphere in these things there is no dispute, but I am one of those who, whilst conceding this to be your highest, yet insist that you have rights and duties beyond; secondary, it is admitted, but existing and obligatory as well.

and the secondary is an obligatory as well. artful, the persuasive, and the bold in-triguer, so fearfully described in 1 Peter. chapter v., verse 8.

> speak, is upon your sex to prove the alleged wrongs, and every failure to do it becomes a magnified reaction in the hands of your opponents. The admoni-tion be "ye therefore wise as serpents and harmless as doves," has here a most apt

application. Remember that most of those who are adverse to this claim of equality are only Thomases in their doubis, to remove his affections are engaged by me? Without this, the heart of sensibility will struggle against a passion that is not reciprocated, delicacy, custom, or call it labors of sincere and intelligent, of deby what epithet you will, having precluded all advances on your part."

Yes with the send of the more distributed by me? Without the sensibility will as a mission or your part of charitable love, as well as of just and resolute
assertion and persistent demand. The
voted and grand women, during the last
30 years to characterize and mould pubvoted and grand women, during the last 30 years to characterize and mould pub-lic opinion and sentiment for the real-ization of this equality, have made a progress towards it that guarantees ultimate success, and that, too, with the aid of liberally educated women, like your-selves, within this century so pre-emi-nently distinguished above all the other centuries in the knowledge and acknowledgment of human rights, irrespective of race, color, sex or previous condition.

progress are that during this time wo-man, with the general approval, has shown herself capable, useful and suc-cessful in agricultural employment, from the cold potato fields of Maine, and the warm cotton savannahs of the South, around and up to the green grazing slopes and valleys of Montana; in the inventions and operations of the manu-facturing industries; in performing the by her there has been any other consequence than that of public benefit.

Legislation will be had suitable for the acknowledgment and protection of these new relations as fast as social sentiments and public opinions shall approve them, and in such radical, delicate, and vital changes legislation should go no faster. When it does its enforcement is baffled, timents and public opinions, followed up by favorable legislation, relative to the rights of married women to their earnings, their property and that ac-quired in the family during the marriage, and to the care and education of children in the sad cases of separation and relative to justifying causes for sep-aration, that, so far as all these essential dard monthly magnetic and a newspaper especially published in and for the region of your published in each of the former, more aspective homes. The former, more

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15 Grause

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100 Feeting of this Notice from any

100 Feeting of this you have an instrument already of some other make and are not pleased. If so, dispose of it and order this. A friend of yours may desire an organ. Call their attention to this advertisement. If they are from home, mail this offer to them. If you can conveniently help me octend the sale of these Popular Instruments, I shall certainly appreciate your below to the sale of these Popular Instruments, I shall certainly appreciate your Eastly appreciate your properties of the sale of the

han any other repositories, concentrate the most useful of past history and imagination, of past thought and its expression, and the latter are the everlasting, ubiquitous and winged evangels and educators of the present and future.

The above repositories, concentrate to the state of the latter are the agents and imperentiation of constant triumphover disease. Street cars are running between Billings, Montana, and Coulson, with return tickets for 25 cents, which will include two glasses of beer at the brewery in Coulson.

Address or Call upon DANIEL F. BEATTY,

es Right and Left

nave addressed you, young ladies, upon the theory that each of you has, to use a usual and a good term therefor, a mission in your life, whose purpose is the promotion of the general good upon the basis of a correct knowledge of the needs, the natural desires and the honorable aspirations of our natures. Some of Both Lydia E. Pinkham's Vegetable Company of the property of the pro able aspirations of our natures. Some of the directions of your work in the per-formance of this mission I have tried to of either, \$1. Six bottles for \$5. Sent by mall indicate, and your own good sense, with the greater observations you will constantly make, will suggest others. These labors may seem to you too arduous for the fair and reasonable enjoyments of life, but to such an extent I. by no means, at traveler in North Carolina saw near advocate their nurshit. God forball have advocate their pursuit. God forbid! but only in liberal compatibility therewith. This world is a beautiful world,gorgeous. grand and sublime, and when its Creator had finished it, He pronounced it good, and it is yet good; aye, it has become, and is becoming better by the inventions, the arts and the labors of man, whom He created to possess, improve, rule and enjoy it. Its proper enjoyments, from the cradle to the grave, are of almost in-finite variety and as full of satisfaction as the senses and the soul can rationally appreciate and appropriate. They are God's gifts and cannot be denied or depreciated without reflection upon both His goodness and His wisdom. It is their abuse and not their use that makes the vices. But their enjoyment becomes richer and fuller and more worthy in proportion as our senses and our souls become broadened and refined, expanded and elevated. The work that I have advocated tends to do this, and with its labors these enjoyments go hand in hand. It is, in the best and highest sense, the course of true wisdom whose "ways" among the promises of the Bible "are ways of pleasantness, and all her paths are peace;" and whose labors, in the words of Shakspeare, "are twice blessed." They bless the doers as well as those who enjoy their valuable and noble work.

Young ladies, you will leave these halls accompanied by the most cordial benedictions, and you will be especially followed by the fervent prayers of her who has so long been your faithful and effections to be a solution of the state of the affectionate instructress and guide, that she may ever rejoice in knowing you to be among the most worthy trophies of long depredated upon the cattle and hogs in her loving labors, and of the alumnæ of the vicinity, and many fruitless attempts had her loving labors, and of the alumnae of this institution, whose very name is an acknowledgment and a prophecy of the increasing progress and influence of your sex, that you be among those whose lives will ever nobly illustrate and exalt its enlightened and beneficial influence. God grant there he no disappointment. God grant there be no disappointment,

ITEMS OF NEWS.

A North Carolina village of 100 inhabitants has four churches.

When you have had Catarrh long enough, just send 10c. to Dr. C. R. Sykes,181 Monroe S Chicago, for his "True Theory of Catarrh." The peach crop is reported to be very large

and the fruit much better in quality than in many years past. Of the class of thirty-six who graduated at Tennessee, on their way to church in an ox Bowdoin College recently, only two propose to enter the ministry.

"Dr. Benson's Celery and Chamomile Pills cured my wife immediately of severe neuralgia." H. M. Cocklin, Shepherdtown, Pa. 50c. at druggists.

The largest sponge in the world was lately gathered at Key West. It is said to measure eight feet in circumference. H. F. Hasselrock, of St. Louis, Mo., says: Brown's Iron Bitters gives general satisfac-

tion and the demand is increasing daily." There are 300,000 Jews in this country, and it is not believed that immigration will add much to their number, as the influx from Russia has practically ceased.

When Mrs. McClellan, of Miffingtown, Pa., opened the oven door of her kitchen stove. a few days ago, she found a roasted black snake

Fresh air, exercise, good food and Dr. Ben son's Celery and Chamomile Pills will, when used together, cure any case of nervousness sick headache, or indigestion. They strengthen the nervous system. 5,000 physicians prescribe them.

A man has been fined \$200 at Marlboro', S. C for selling Jamaica Ginger as a medicine, the jury's verdict being that it should be classed as an intoxicating drink.

Ayer's Sarsaparilla is designed for those

who need a medicine to purify the blood. build them up, increase their appetite, and rejuvenate their whole system. No other preparation so well meets this want. It

touches the exact spot. Its record of forty

and 235 Western Avenue, Lynn, Mass. Price of either, \$1. Six bottles for \$5. Sent by mail

Waynesville a church 24x84 and 18ft high, with a steeple, all made from one pine tree, and there was enough lumber left over to fence the

A good Baptist clergyman of Bergen, N. Y strong temperance man, suffered with kidney trouble, neuralgia and dizziness almost to blindness, over two years after he was told that Hop Bitters would cure him, because he was afraid of and prejudiced against 'Bitters.' Since his cure he says none need fear but trust in Hop Bitters.

A subterranean forest, seven feet below the surface of the ground, has been discovered in Chazy, Clinton county, New York. Many of the trees are in an admirable state of preser vation.

Bitters are too frequently a mere mixture of a few impure drugs, water, and a little of the poorest whisky, and their only effect is to weaken an already overtasked system. There are a few exceptions to this, notable among them is one of which we can speak from long personal experience. We refer to the cele brated Home Sanative Cordial, which we have invariably found to be strengthening and invigorating. A Westchester, Pa., gentleman has adopted

a novel method to save his cherries from the birds. He has hung a string of sleigh bells in one of his trees, to which a cord is attach-ed leading to the house, with which the bells are occassionally rung. The birds give the

Advice to Consumptives: On the appearance of the first symptoms—as general debility loss of appetite, pallor, chirly sensations, fol measures for relief should be taken. Consumption is scrofulous disease of the lungs: -therefore use the great anti-scrofula, o Pierce's "Golden Medical Discovery," Su-perior to Cod liver oil as a nutritive, and unsurpassed as a pectoral. For weak lungs, spitting of blood, and kindred affections, it has no equal. Sold by druggists the world over. For Dr. Pierce's pamphlet on Con sumption, send two stamps to World's Dipensary Medical Association, Buffalo, N. Y. Eight members of the Stone family, in wagon, were run away with by a yoke of oxen and all tumbled into a creek without injury This little spread gave a local paper a chance to say that was one of the occasions where no Stone was left unturned in the effort to hear the gospel.



FLORESTON

COLOGNE ERRORS OF YOUTH.

ons or excesses. Any Druggist has the in Address DAVIDSON & CO., No an Street, New York. AGENTS WANTED to sell DR. CHASE'S 2000 RECIPE BOOK. Sells at sight. For further in formation, address Dr. Chase's Printing House, Ann Arbor, Mich.

\$72 A WEEK, \$12 a day at home easily made. Costly Outfit free. Address TRUE & Co., Augusta, Ma.

A NOTED BUT UNTITLED WOMAN.

New

Jersey.



Washington,

Mesers. Editors:—
The above is a good likeness of Mrs. Lydia E. Pinkham, of Lynn, Mass., who above all other human beings may be truthfully called the "Dear Friend of Woman," as some of her correspondents love to call her. She is zealously devoted to her work, which is the outcome of a life-study, and is obliged to keep six lady assistants, to help her answer the large correspondence which daily nours in uno her, each bearing its necial.

assistants, to help her answer the large correspondence which daily pours in upon her, each bearing its special burden of suffering, or joy at release from it. Her Vegetable Compound is a medicine for good and not evil purposes. I have personally investigated it and am satisfied of the truth of this.

On account of its proven merits, it is recommended and prescribed by the best physicians in the country. One says: "It works like a charm and saves much plain. It will cure entirely the worst form of falling of the uterus, Leucorrhoza, irregular and painful Menstruation, all Ovarian Troubles, Inflammation and Ulceration, Floodings, all Displacements and the con-Mension, all Overlan House, and the con-sequent spinal weakness, and is especially adapted to

sequent spinal weakness, and is especially adapted to the Change of Life."

It permeates every portion of the system, and gives new life and vigor. It removes faintness, flatuiency, destroys all craving for stimulants, and relieves weakness of the stomach. It cures Bloating, Headaches, Nervous Prostration, General Deblifty, Siceplessness, Depression and Indigestion. That feeling of bearing down, causing pain, weight and backache, is always permanently cured by its use. It will at all times, and under all circumstances, act in harmony with the law that governe the female system. that governs the female system.

It costs only \$1, per bottle or six for \$5., and is sold by

It costs only \$1, per bottle or six for \$5., and is sold by druggists. Any advice required as to special cases, and the names of many who have been restored to perfect health by the use of the Vegetable Compound, can be obtained by addressing Mrs. P., with stamp for reple, at her home in Lynn, Mass.

For Kidney Complaint of either sex this compound is unsurpassed as abundant testimonials allow.

"Mrs. Pinkham's Liver Pills," says one writer, "are the best in the world for the cure of Constipation, Billousness and Torpidity of the liver. Her Blood Purifier weeks wonders in its special line and bids fair to equal the Compound in its popularity.

All must respect her as an Angel of Mercy whose sole smbitton is to do good to others.

Philadelphia, Pa. (3) Mrs. A. M. D.

SCROFULA

and an Scromious Diseases, Sores, Eryspeias, Eczenas, Biotches, Kingworn, Tumors, Carfeczenas, Biotches, Kingworn, Tumors, Cardirect result of an impure state of the blood. To
cure these diseases the blood must be purified
and restored to a healthy and natural condition.
ATER'S SARSAPARILLA has for ever forty
years been recognized by eminent medical
authorities as the most powerful blood purifier in
existence. It frees the system from all foul
humors, surches and strengtheus the blood, roproves itself a complete master of all scrofulor
diseases.

proves itself a complete master of all successful diseases.

"Some months ago! I was troubled with scrofulous sores (ulcers) on my legs. The limbs were badly swollen and inflamed, and the sores discharged large quantities of offensive matter. Every remedy I tried failed, until I used AYER'S SARSAPARILLA, of which I have now taken three bottles, with the result that the sores are healed, and my general health greatly improved. I feetway grateful for the good your medicine has done me. Tours respectful ms. Ann O'BRIAN." A 148 Sullivan St., New York, June 24, 1852.

AYER'S SARSAPARILLA

stimulates and regulates the action of the digestive and assimilative organs, renews and strengthens the vital forces, and speedily cures Rheumann, Catarrh, Neuralgia, Rheumatic Gout, General Debitty and all diseases arising from an impover shed or corrupted condition of the blood and aweakened vitality, the cheapest blood medicine, on account of its concentrated strength and great power over disease.

PREPARED BY

power over disease.

PREPARED BY

Dr. J. C. AYER & CO., Lowell, Mass.
Soldby all Druggists; price \$1, six bottles for \$5.



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ENGINES, THRESHERS SAW-MILLS,
Herse Powers Suited to all sections.) Write for FREE Illus. Famphlet and Prices to The Auttman & Taylor Co., Mansfield, Ohio.

Wanted Agents, male and female, for new book, "Daughters of America." Low in price. 50 cents will secure an outif & agency. Address FORBHEE & McMakin, Cincipnati, O.

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MILLS, er Hullers

Pamphlet eld, Ohio.

for new Low in agency. nnati, O.

responding months of the last three years, it has taken, on an average, nearly 29 lbs. of milk to make a pound of butter, whereas with this machine it has taken ss than 25 lbs.

or wear about it.

Perhaps this covers the ground of your inquiry, but if more is needed, I will be pleased to amplify any point desired.

Very truly yours.

JOHN I. CARTER.

Exports and Why.

The N. Y. Tribune call attention to the fact that there has been a decided falling off in the exports of butter and cheese from the United States within the last 12 or 15 months. Prior to 1860 most of the butter and cheese made in this country was the product of individual farmers, and the consumption was confined almost and the consumption was confined almost exclusively to the home market; but with the starting of the factory and creamery systems the production became so great that dealers were compelled to look abroad for consumers. A few ventures in the English market met with such warm reception that there immediately sprang up a large trade with that country. Soon the great mass of American cheese found its way to England and the cheese-eating districts of Continental Europe. In round ristricts of Continental Europe. In round numbers, the exports of butter for the year ending May 1, 1880, were 32,000,000 pounds. For the year ending May 1, 1883, there were nine million pounds, nearly seventy-five per cent. less. In cheese for the same dates the exports fell from 112,000,000 to 86,000,000 pounds. The following tabulated statement shows the exports for recent years from the port of New York:

Modern Dairy Farming.

The Centrifugal Process.

Since the Danish-Weston centrifugal milk separator advertisement of the Philadelphia Creamery Supply company has appeared in the Rural Workld. it has naturally excited the curiosity of many who had not heard of it before, as to the benefit to be derived from it, how it is worked and what are the known results. We therefore present the following from a practical dairymen of Chester Co., Pa., who has given it a fair trial:

In reply to your esteemed favor of lated date, I will say I have been using centriforge, made by the Philadelphia Creamery Supply Company, for the last four mouths, and that its use has been entirely satisfactory so tar. This machine has a capacity, as we use it, of about one thousand pounds of milk per hour. We are the first of the continuant of the whereas with this machine it has taken less than 25 lbs.

We have complete control of the cream, 25 we can churn it sweet, or slightly acid, as desired.

There is no injury to the grain of butter, and in other respects it is certainly better than when made in the old way.

The milk and cream run less risk from taints, or atmospheric influences, because the separation is accomplished as soon after milking as it can be got to the machine. Even impurities that may acidently get in the milk, are thoroughly and completely taken out.

With our Chester County green-grass pastures, our living streams of pure water, and this machine, there ought to be no difficulty in making a very fine butter, and of even quality. As I make butter only, I cannot speak of the suitability of the skim-milk for cheese, but as it is sweet, and desired proportions of cream can be left in it, I cannot see but that it would do very well for the purpose.

The machine is simple in construction, is easily managed, and I see no evidence of wear about it.

Perhaps this covers the ground of your

Flies are just now worrying horses and cattle most persistently. No animal that is exposed to them can thrive or do well. The owner hears them restlessly struggling with their tormentors all night long, and may be exasperated at their restlessness. He does not know that the tired heasts are formented by a vicious restlessness. He does not know that the tired beasts are tormented by a vicious, biting fly, which gives the horse no rest. This fly is supposed to be the harmless house fly, and one wonders how they learn to bite so sharply as they do one's ankles while one is walking. This fly is a true blood-sucker, with a sharp, lancetformed proboseis. Its name is Stomoxys calcitrans, and it is so called because it causes the horses to kick so violently. It is almost exactly like a house fly exceptcauses the horses to kick so violently. It is almost exactly like a house fly excepting in its biting organs, for a house fly, called Musca domestica, is a sucker, or rather it laps its food with its tongue, formed like a comb or one side of a feather. The stable fly, on the contrary, is, a most pestiferous enemy of horses and cattle, and its character should be known so that its attack may be averted. We have found cleanliness and pure air known so that its attack may be averted. We have found cleanliness and pure air in the stables of great service. Wire gauze in the windows, which must be kept open all night is also very useful. But the best remedy is Persian insect powder, by which the stable may be wholly cleared at night, and then if the entrance of a fresh crowd is prevented the animals may sleep in peace. This powder is a fine yellow dust, made of the flowers of a species of pyrethrum.

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The Pig Pen.

peignt acres on 160 acres produces \$1,-160; modern dairy farming with one cow to four acres produces \$2,660, an increase of \$1,500; by an outlay for feed and help, a net profit of \$640—a sum sufficient to raise the price of land from \$50 to \$100 per acre. A fundamental condition of successful farming is large crops of corn, not less than two acres of fodder and four acres of field corn for every ten cows, or a total of twenty-four acres for forty cows. All the manure of the farm should be evenly placed on these twenty-four acres during the winter, and the land plowed previous to the tenth of May, and thoroughly harrowed, the corn planted immediately thereafter with a horse drill, the rows three and open-half feet aware cold the same and under certain highly civilized circumstances, we want to see it. Hence we have [cholera, and other diseases that so nearly approximate it, as to warrant many in calling it by the same name in both, and doubtless produced by similar causes.

The following, from the fertile and generally philosophic pen of F. D. Cur-

The following. From the Terche and generally philosophic pen of F. D. Curits, is in point:

"I have remarked that corn is the purest kind of food, but where pigs are fed exclusively on that kind of dietit is equally true that it produces a feverish and unhealthy condition, and lays the foundation for bodily ailments, if it is not directly the cause of producing them. It will create inflammation of the bowels and disorders of the stomach, which may prevail so extensively in a herd as to be considered contagious, leading to the conclusion that hog cholera prevails. The digestive apparatus of a pig is nearest like that of a human being of any quadruped, and it is also subject to many of the same diseases, to-wit: rheumatism, quinsy, inflammation of the lungs and bowels, with stomach disorders. The humantstomach and constitution will give way under a diet as stimulating and tevering as clear corn, especially if the system is kent in a gorged. tion will give way under a diet as stimulating and tevering as clear corn, especially if the system is kept in a gorged state for a considerable length of time. The hog will stand it longer, perhaps, but will as surely succumb in the end. It is a higher order of farming when sanitary laws are applied to the rearing and management of the farm animals. It is gratifying to know that under the leadership of the agricultural press there is a rapid advance being made in these respects. The best remedy for stomach and bowel disorders lies in preventive, rather than cure. Hogs should have the range of a clover field, or be fed liberally with sweet corn-stalks or the early maturing sorghum and roots in their season, with plenty of pure water. When this is done the injurious effects of eating a large quantity of corn will be obvithis is done the injurious effects of eating a large quantity of corn will be obviated, and even young pigs will keep healthy. If this system would be more generally adopted in the West, there would be less of of so-called cholera, and more lean meat in proportion to the fat, which would help to create an increased demand for pork.

hog disease or cholera that they had. I have never had that terrible pest among my hogs, but they were very sick pigs at any rate, and I treated them as above, and they got well; so you can rest assured that should my pigs show signs of m-disposition again, I should use the same remedy with a good deal of confidence.

—S. H. Ellis, in Farm and Fireside.

Che Poultry Pard.

Clean the Hen-House.

At this season of the year many poultry breeders are considerably troubled with the insect vermin that haunt the houses, perches and nests of their feath. ered friends, and much of success or failure depends upon what is done, and its being done now and thoroughly to remedy it. A Duchess County correspondent of the Country Gentleman thus writes of them and the treatment necessary, and readers of the RURAL WORLD will do well to heed his suggestions now:

There are two distinct varieties, or rather two separate stages of existence, of the minute but troublesome mites that of the minute but troublesome mites that infest and inhabit the houses and roosts. At this time of year they are in full perfection, and multiply rapidly. There are also two distinct species of lice that live on the bodies of the fowls, remaining and increasing there. One inhabits the head, and the other lives on other portions of the body, and when at rest are found in clusters just above and below the vent. Fowls that are in good health and condition seldom carry many of these parasites, for if they could not rid themselves in some manner, they would soon be overrun. Nature implanted the instinct of wallowing in dry earth as the only means of getting rid of their harrassing enemy.

The mites never remain on the bodies of the fowls, but feed on their blood at night. This, although weakening, does not appear materially to injure them until the moulting season comes on. Then they draw the strength from the fowls. This is the most delicate period in the whole existence of a fowl, which many never recover from. The appetite fails all at once, and at a time most requiring the stimulus of food. Valuable fowls need much care and nursing through this stage, and without it they either die or become worthless.

The two mites that live in the houses infest and inhabit the houses and roosts

either die or become worthless.

either die or become worthless.

The two mites that live in the houses are a soft kind and a hard kind, or those that appear to have a shell and those that do not. The soft sort at this time of year may be found in large clusters on the under side of the perches, and look like dark masses of blood. Crush them, and they are found to be filled with blood. In this state they are tender and easily destroyed. A thick coat of

them, and they are found to be filled with blood. In this state they are tender and easily destroyed. A thick coat of hot limewash will destroy them, while when advanced to the stage when they have shells, they are not quite so easily gotten rid of. When arrived at that stage, they swarm all over the house, and completely fill it, living on the droppings alone. They hibernate in the winter, and are ready to crawl out again when warm weather approaches.

There is no remedy so thorough as lime in these cases, and I use it slaked, either wet or dry. Wood ashes is good, but not so searching. Now is the season to destroy these mites, while they are in the soft state. It should be done before they scatter and fill the whole building. They are easy to come at now, for they are confined to the perches. A month or two later they will have spread all over, filling every crack and crevice in walls and in the floor. Thus they will live for years. Nothing will rout them but frequent strong doses of lime. When applying the lime, remove the perches from the building to some distance. Do the work thoroughly, and give a gcod coat on each end. Apply the lime to every place where there is any harbor for the nuisance.

ROYAL Absolutely Pure.

This powder never varies. A marvel of purity, strength and wholesomeness. More economical than the ordinary kinds, and cannot be sold in competition with the multitude of low test, short weight, alum or phosphate powders. Sold only in cans. ROYAL BAKING POWDER Co., 106 Wall St., New York.

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DRESSES, COATS, SCARFS, HOODS,
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Warranted Fast and Durable. Each package will
solor one to four lbs. of goods. If you have never
used Dyes try these once. You will be delighted.
Sold by druggists, or send us 10 cents and any
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and a set of fancy cards sent for a 3c. stamp.
WELLS, RICHARDSON & CO., Barlington, Vt.

GOLD and SILVER PAINT. Bronze Paint. Artists' Black. For gilding Fancy Bekets, Frames, Lamps Thandeliers, and for all kinds of ornamental work

Equal to any of the high priced kinds and only locts. a package, at the druggists, or post-paid from WELLS, RICHARDSON & CO., Burlington, Vt.



E. M. BIRDELL & CO., General Agents fo Southern Illinois and Missouri, 316 South 8th Street, St. Louis. Mo.

\$288 a month to one general agent in each county; something new; rare chance; outfit free. E. I. C. Co., 381 Canal Street N. Y.



(THE GREAT)

(NERVE CONQUEROR

It quiets and composes the patient—not by the introduction of opiates and drastic eatherties, but by the restoration of activity to the stomach and nervous system, whereby the brain is relieved of morbid fancier, which are created by the Causes above referred to.

To Clergymen, Lawyers, Literary men, Merchants, Bankers, Ladies and all those whose sedentary employment causes nervous prostration, irregularities of the blood, stomach, bettier or kithenys or who require a nerve tonic, apreliated to kind and SARARITAN KERVIN WORTH Invigorant than ever sustained the sinking system.

§1.50. Sold by all Druggists.

THE DE, E. A. RICHMOND MED. CO., PROPE'S., ST. JOSEPH. MO.



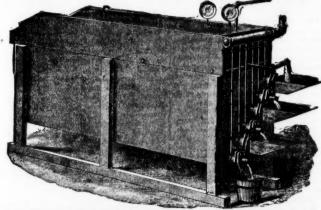
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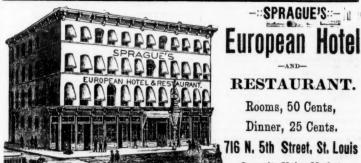


FOR SORGHUM AND CIDER JELLY.

The only practical continuous steam evaporator in use. Will do more and better work, with less labor and fuel, than any other in the market. No danger of scorehing the sirup or injury from over-heating. Six sizes made with capacity of from 12 to 60 gallons of sirup per hour. Circulars giving full particulars free. Address,

N. Y. City Office, 219 Fulton Street.

BOOMER & BOSCHERT PRESS CO.,



-::SPRAGUE'S::-

RESTAURANT.

Rooms, 50 Cents, Dinner, 25 Cents.

716 N. 5th Street, St. Louis Opposite Union Market.



Also other Small Fruits, and all older varie.

PRENTISS Prices reduced. Illus. Cs.
LARGEST STOCK in the Grapes, Extra quality. Warranted tree.

PRENTISS Prices reduced. Illus. Cs.
Less by mail. Low Rates to Dealers.

HAMILTON Situated in the midst of the famous "Blue Grass Region," noted for the healthfulness or Recreation. Excellent buildings, so by 140 feet, containing 125 Apartments, all under one root. Heated by steam and lighted by gas. Only two young ladies occupy FEMALE a room. Cost of improvements over 1900, 200 fulners as room. Cost of improvements over 1900, 200 fulners as room to the room of the room

Che Stock Pards.

Weekly Review of the Live Stock Market.

TUESDAY, August 7, 1883 Receipts for 24 hours ending at 11 am to

Receipts Cattle 4,591, Hogs 3,430, Sheep 4,373.
CATTLE—A good big supply met buyers who seemed glad to operate, though why they should be was not discernible to the naked eye. All other points were well loaded down, and New York was away off and slow. St. Louis, however, made a good record as sales will show below. Readers of the RUEAL, however, may reasonably anticipate lower figures in the immediate future. Sol Kahn of of Montrose, Mo., secured 6 12% for a fine drove; about 25 cents measures the decline after Friday. Representative sales:

29 native steers 1526	\$6 12%
44 Texas steers 825	4 10
22 Texas steers 824	4 05
22 Texas steers 999	4 35
00 Indian steams 905	3 15
23 Indian steers 899	4 10
20 native steers	4.95
23 Indian steers 908	4 10
23 Indian steers 903	4 10
46 Indian steers 906	4.10
45 Indian steers 890	4 10
40 Indian steers 980	4 35
24 native cows 933	11 60
11 native cows 926	4.00
57 native steers 1217	5.00
76 native steers	5 00
39 native steers1027	4 50
48 native steers1287	5 50
48 native steers	4 40
20 southwest steers	4 15
22 southwest steers 979	3 90
18 southwest cows 8 8	
16 native steers1223	5 25

HOGS-A good trade generally but erro neous telegrams muddled things to some ex tent. The tone of trade was good, the move ment brisk and values strong at \$4 9065 20 for mixed heavy; \$5 25@5 50 for good butcher hogs and \$5 45@5 60 for good light hogs. It was about these latter that telegrams were indefinite, but all sold at the range given, and the feeling was strong at the figures. Values grew stronger till light hogs, good, sold for \$5.75. Representative sales:

22 \$5 00	5721130 00
67 5 50	14 186 5 60
35 159 5 65	56 5 45
22 239 5 25	35 5 50
117 195 5 60	525 60
54 5 60	58 180 5 60
44 5 60	61 5 60
61 5 50	10 5 70
41 5 50	

SHEEP-Slower and easier though this market held up very well all week as com-pared with other points. Too many sheep came at last. Representative sales:

17 native lam	bs	 	61 . \$4 75
81 native shee	p	 	99 4 00
202 native shee	p	 	85 4 25 8
97 native shee	D	 	91 365 2
225 native shee	D	 	78 3 20
114 native shee	D	 	112 4 00
72 native shee	D	 	97 4 15
100 native shee	D	 	84 3 50 8
56 native mix	ed	 	91 2 90 8

MONDAY, August 6, 1883. 2 p m CATTLE—Receipts moderate. Nothing here suitable for export. All common to good cattle 10c to 20c lower than last Friday, and slow at the decline. Advices from New York and Chicago show very heavy runs and unsettled markets. Representative sales:

20 Hative COWS	415 615
20 native cows-heifers 852	3 60
38 native cows 917	4 05
15 native cows	4 00
24 grass Indians 783	4 25
43 grass Indians 914	4 35
24 grass Indians 904	4 35
24 grass Indians 897	4 35
21 native cows-heifers 929	4 00
59 native cows 967	3 85
21 native cows 927	3 75
17 native cows1062	3 75
20 native cows 885	8 65
15 native cows 874	3 75
16 native steers1289	5 50
42 native steers	5 20
52 native steers1105	5 12
21 native steers	5 12
25 native cows-heifers 844	3 90
18 native cows—heifers 915	3 60

HOGS-The market opened fairly active or all grades, and early sales were at about last weeks closing prices, but on unfavorable advices from other points the market weakened 10c on all grades. Yorkers sold early at \$5 85

Market closed quiet.	Representative sales:
20	49\$5 80
15 5 20	46 248 5 45
28 5 10	26 5 40
69 5 90	71 272 5 4236
18 3 95	29 292 5 20
16 5 10	97 5 90
82 5 90	21 190 5 80
SHEED Boodsta	light and quality not the

best. About all sold. Market lower than at the close of last week. Sales: 90 av 77 at \$3 15; 120 av 71 at \$3 25; 200 av 102 at \$3 75; 33 lambs av 58 at \$4 3714.

FRIDAY, August 3, 1883. 2 p m CATTLE—The market was active and strong on all grades. Supply of fat cattle fails to meet the demand. Ruling prices about 25c higher on fat cattle than they were at the close of previous week. Representative sales:

from first hands; 8@9c for full cream, and 4@ 5c for inferior—small way 1@2c higher, according to size of lot.

89 native steers 1463 % 90

30 native steers	5 90
29 native steers	5 75
19 native steers 1257	5 60
21 southwest steers 872	4 20
24 grass Texans 871	4 50
24 native cows 817	3.50
25 Texas mixed 734	3 60
23 grass Texans 858	4 12
90 native steers1200	5 37
20 native stockers	4.50
103 grass Texans 960	4 30
19 grass Indians 890	4 35
24 grass Indians	4 40
84 grass Texans 930	4 35
52 native steers	5 80
34 native steers	5 40
HOCS. The market opened fairly act	ve on

all grades, and a few sales were at a shade stronger prices but market soon weakened and ruled slow, Yorkers sold at \$5 85 to \$6 0°. Philadelphia's \$5 35 to \$5 40. Smooth heavy packing \$5 00 to \$5 15. Coarse heavy \$4 60 to \$4 90. Medium weights \$5 20 to \$5 35. As compared to previous Friday—prices of light hogs are \$5c lower, and heavy hogs are \$5c to

Representative sales.	TA 231111 1 1 1 1	1
64 217 \$5 95	13\$5 35	1
68 6 00	32 5 35	1
59 5 10	15 175 5 90	ŝ
19 5 90	110 197 5 90	4
75 196 5 90	31 5 90	
18 5 40	54 5 40	ŧ.
14 6 00	104 5 95	1
67 181 5 85	14 5 00	1
45 220 5 35	22 4 90	į
76 197 5 90	20 187 5 90	•
19 5 15	81 257 5 35	
SHEEP-Market activ	e. A good inquiry for	1
fat sheep and lambs. S	ales:	A
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I	n	b	95	3 :	av	60	at	\$4	90.											-	ı

GENERAL MARKET.

The week just closed has been one pregnant The week just closed has been one pregnant with financial disasters, which have disturbed trade from one end of the country to the other. The effect of these financial troubles is apparent in the diminished values of clearing-house exchanges at leading centres. As a result stocks began to decline with great of fruit unsuitable for shipping, namely,

rapidity. They continued to weaken until the small, sweet, stung, badly mixed, over-ripe very close. The Wabashes touched the low-est price they have sold at in four years. Western Union was very weak, and so were Missouri Pacific and the Gould stock generally. The decline was aided by the announce-ment that a national bank in St. Albans had failed, and there were rumors of mercantile failures; that a large jobbing house is in trouble and that a Boston bank was sure to go. It was, indeed, a bad day all around.

The regular Associated Press telegram ays: Reports of additional troubles in the leather trade and the rumor of a strike by the telegraph operators on the railroads had an unfavorable effect upon share speculation.

The Boston Commercial Bulletin of Saturday in its review of the wool market of that city

The general expectation in the ¡West that prices would be marked up because of the re-cent large sales here, has not been fulfilled. A few things like Georgia and other medium wools are a little firmer; but values of most descriptions are unchanged, though there is a general feeling of confidence among holders and scarcely anybody is willing to make concessions below current rates. There has been a good call this week for medium and No. 1 wools, both washed and unwashed. Michigan No. 1 has sold at 38c; Georgia at 27@27%c, with 28c now asked; and choice medium Montana at 28c. A good deal of Montana and Texas wool has been sold this week. For choice Eastern Oregon 28c is also a quotation, and shippers advise that lots now on the way here from San Francisco will cost 27e laid down in Boston for wool shrinking 60 per cent. This would be equivalent to 67% c scoured, and the wool cannot be sold therefore for less than 70c scoured, or 28c in the grease.

The Eastern Oregon wool is not as fine at hat from Humbold or Mendocino counties but is stronger and healthier. The medium Montana wool at 28c is finer, softer and more desirable than Georgia, though the Georgia wools are running toward 3. blood to a greater extent than heretofore. The sales of fine territory wools have been at a wide range of prices, according to quality and condition.
A very choice lot of fine Montana has sold at 27c-but a million pounds of fine wool which to kind. will come from the southern part of that territory would not bring over 22c in Boston to-day. An average quotation for fine Montana and other territories is 25c. Sales of fine Utah have been made all the way from 20c to 25c. the object being to get them up at 65c clean. Fine medium Utah at 25@27c s expected to cost 60c clean.

FLOUR-Quotably unchanged, XX \$3 20 XXX \$3 60; Extra Fancy \$5 75.

WHEAT—Coming in but slowly, though

speculation in futures was quite active. No. red winter, cash \$1 04; No 3, cash 98; No.

CORN-Receipts considered as for two days show no significant increase, nor was there anything in shipments for special note only so far as there is yet a shipping movement and none of consideration by rail. As with the case of wheat, the market value had no strength and was off on grades, and the grade market was dull at that, little doing in either. Futures had a dead dull market from scarcity of orders and the deals of the day were the smallest in amount from an unknown time. No 2 mixed cash, 46%; No. 2 white mixed, cash

HAY-Unchanged. Choice new and old timothy in demand; common new dull. Fair demand for prairie. Sales: This side—2 cars prairie at \$8; 1 do \$8 25; 7 do choice \$8 50; 1 do First-class in every respect. do \$8 75. E. side-1 car loose pressed new timothy \$8: 1 car old do \$13 50; 1 do do \$15. Also, 2 cars new timothy on E. side at \$11 50; 2 do old do this side at \$12@13,

HEMP-In demand; scarce. Undressed \$75 to \$100 per ton; dressed at 6½ @7½c # h; shorts 5½ @6c; hackled tow at \$75@80 # ton; break OATS-were higher, cash and futures.

eipts the past week, dating from flast Tues. day, have been small, as it is understood that farmers even with the large crop that is conceded are not much disposed to ship in to 10c on all grades. Yorkers sold early at \$5 50 to \$5 95, and closed at \$5 75 to \$5 80 Fair to best heavy sold early at \$5 00 to \$5 50, and closed at \$5 to \$5 40. Coarse heavy ruled quiet from first to the close at \$4 60 to \$4 90. surmised to be extraordinary prolific, and with a seeming determined downward ten-dency of higher staples, what can be expect ed from oats, which are of no export interest. while the consumptive interest can be so easily supplied. No. 2 cash 25.

BUTTER-Market quiet and steady. Demand only a light local one, and chiefly for the choice qualities. We quote: Creamery at 194 20c for choice to fancy, to 21c for selections; overheated or poor at dairy rates; dairy at 15@17c for choice to fancy; fair to good 10@ 12c; common 8@10c; country packed slow; choice 9@10c, common at 5@7c.

CHEESE-Quiet and steady. Round lots

EGGS-Demand was brisk at 11c for good marks of current receipts and 12c candled. POULTRY-Quiet and unchanged. We quote: Spring chickens-Small \$1@150; fair to good \$1 75 @2; choice to fancy large \$2 25@ Louis, and all druggists. 2 75; spring ducks \$2 25@2 50; old chickenscocks \$3@3 25; mixed \$3 40@3 60; hens \$3 75

GAME—Woodcock firm and in demand at \$5 and wood duck quiet at \$2@2 25 \(\psi\) doz.

POTATOES-In fair demand and steady. We quote: Consigned lots 25@30c; wagon re ceipts of home-grown 30@33c. Sales: 19 bbl Iowa (small) at 63c # bbl-the first received

ONIONS-Lower and dragging heavily; receipts larger, while buyers are practically out of market. We quote: Prime Iowa at 70@75c per bu. \$1 60@1 75 per bbl; Missouri and Illinois growth plentiful and hardest to sell, being poor keeping stock and generally dam-aged—ranged from 25c to 50c and 60c—latter for firm sound dry only. Sales: 15 sks Mo. at 30c. small lots do at 40@50c. 12 bbls Iowa yellow at \$1 60 per bbl. 11 do red at \$1 70, 69 before. choice do at \$1 80.

TOMATOES-Home grown in large receipt Ripe sold from farmers' wagons at 35@40c per bu; green at 50c per bu box in shipping or

SWEET POTATOES-New Bermuda (homegrown) sell at \$1 75@2 per bu loose, Southern yams at \$3@3 50 per bu

CABBAGE-Selling in shipping order at

\$1 50 per crate. CRAB APPLES—Dull at 40c # %-bu box. and easier. Jobbing sales at \$12\tilde{a}18 \sqrt{9}\tilde{100} for Georgia, \$6\tilde{a}16 for common varieties. Car-lots quotable at \$100\tilde{a}16 \sqrt{9} ear on trk. Sale 1 car Mo. (Ga. variety) \$130.

CANTALOUPES-Choice stock ready sale

prematurely picked, etc., to the inferio quality of supplies rather than a lack of de mand may be attributed the easier feeling choice shipping and red varieties being i greatest request and best sustained in price. We quote: \$2 75@3, fair \$2 50, inferior \$1 75@2. Sales 500 bbls different varieties at \$2 25@3—a

PEACHES-Receipts light and quality offerings not very desirable; choice large scarce and ready sale, but small to medium sized fruit slow. Prices unchanged. Southern Illinois stock sells at 25@50c ₩ 1/2-bu box for small and hard to fair, 60@75c for medium and 90c@\$1 for the best; Texas chiefly at 90c@\$1 but fancy white heath or china clings ar worth \$1 25@150.

CALIFORNIA FRUITS-We quote: Plun at \$2 50@3; pears at \$4 50@5 \ box.

DRIED FRUIT—New apples still declining: buyers out at over 6c. Other kinds of fruit in small offering and quiet. We quote: New ap-ples—Fair 5%c, prime 6c, sliced 6½@7c: evaporated at 10@11c for No 1 to 8@9c for No 2: old apples 41/2051/4c. Peaches—choice halves, new or old, 6261/4c, inferior dark and wormy less. New blackberries nominal at 7c. Sales: 15 sks and 5 bbls and 25 sks new apples at 6c, 5 old do at 5c, small lot peaches at 6c; also 17 pkgs ancy new apples (large cut) at 61/2 c.

FLAXSEED -Firmer, with sales 1 car early at \$1 27 and 1 car later at \$1 28%. August de livery had \$1 27 bid.

COTTON SEED-Salable at \$16 \$\psi\$ ton, Sept. HEMP SEED—Quiet at \$1 35@1 50; prime re

eaned worth more CASTOR BEANS-Advancing, nominally

\$1 40 \(\psi\) bu for prime.

HONEY—Slow sale. Choice new quotable in lots at 7\(\psi\) c for strained or extracted and 14 @16c for comb. Jobbing sales of choice in ancy pkgs more. Old or inferior nominal puote: Crooked, short, etc., 11/2/21/4c, prime 3

@4c, long green hurl 5@7c. PLUMS-Scarce, we quote: Wild goose 75@ 90c# 1/4-bu box. chichasaw 40@50: home-grown sell from \$1 50 to \$3 # bu. according

PEARS-Few offering. We quote: Bartlett

PEARS—Few offering. We quote: Bartiett \$1@125 \(\frac{1}{2} \) \$\(\frac{1}{2} \) bu box, common varieties \$0@-75c: home-grown \$2\$ to \$2.50 \(\frac{1}{2} \) bu loose for common sweet varieties. GRAPES—Unchanged; poor stock dull. We quote: Hartford \$6@7c \(\frac{1}{2} \) b. Ives' seedling 76@8c, Concord \(\frac{1}{2} \) belaware 12\(\frac{1}{2} \) big. BLACKBERRES—In demand, but few on sale. Consigned lots quotable at \$1\$ to \$2\$ \(\frac{1}{2} \) consigned at \$1\$ to \$2\$ \(\frac{1}{2} \) cover 3\(\frac{1}{2} \) one—grown 75\(\frac{1}{2} \) or get gal measure. ome-grown 75@90c per gal measure. WHORTLEBERRIES—In fair request 3 per 6-gal case for sound ripe

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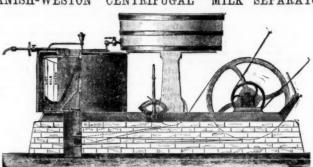


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Jan. 6,

1880.

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